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# THE INDUSTRIOUS HEN



ONE YEAR 50c---THREE YEARS \$1

AN ILLUSTRATED MONTHLY  
FOR  
POULTRY, LIVE STOCK AND THE FARM



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Published  
By  
**THE INDUSTRIOUS HEN**  
COMPANY  
Knoxville Tenn.

Sec. of Agriculture  
WASHINGTON, D. C.





# LANGFORD'S RHODE ISLAND REDS

HAVE WON MORE PRIZES IN THE BIG SHOWS OF THE SOUTH THAN ALL OTHERS

Winners at Madison Square Garden, New York, Boston, Great Jamestown Show, Nashville, Atlanta, Charleston, Ft. Worth; a clean sweep at Louisville, 1909; a clean sweep at Memphis, 1908, the \$50.00 Cup and \$25.00 Gold Special; Tenn. State Fair, etc. **My matings are the best I ever owned. Eggs for sale. New catalogue free.**

**FRANK LANGFORD, R. R. 10, Nashville, Tenn.**

# SINGLE COMB BLACK MINORCAS, EXCLUSIVELY

Won more firsts at Nashville, Memphis, Tullahoma, Lebanon and Knoxville than all competitors combined. Also winners of championship ribbon given by "American Black Minorca Club" of America. We are running 4 pens of A1 stock and solicit your egg business Circular free.

**J. C. VAUGHAN & CO., LEBANON, TENN.**

# EGGS! EGGS! EGGS! BUFF PLYMOUTH ROCKS

An all-purpose fowl for the farmer and fancier alike. If you haven't them try a few settings. I breed only this kind and they are the Goods as a visit to my yards will prove. Have only a few pens of select mating. Eggs, from my No. 1 Pen \$5.00 for 15; assorted, including Pen No. 1, at \$3.00 for 15 or \$5.00 for 30. Order today; tomorrow may be too late.

**LEWIS B. RUMPH** { State Vice-President } **MARSHALLVILLE, GA.**  
American Buff Plymouth Rock Club }

# SINGLE COMB RHODE ISLAND REDS

"SOUTHERN" SPECIALTY BREEDERS

Eggs from first prize exhibition pen, Knoxville, 1910, Show, \$3.00 per 15. From pens 2 and 3, headed by third winning cockerel, Knoxville, 1910, Show and his brother (both good points and color) mated with fine shaped, good laying females, Eggs \$1.50 per 15. Eggs taken from the three pens, \$2.00 per 15. Shipped well packed and exactly as advertised. Incubator eggs, \$10.00 per 100.

**THOS. E. MCLEAN & SON, 987 Luttrell St., KNOXVILLE, TENN.**

# COOPER'S S. C. RHODE ISLAND REDS

AGAIN WIN THE BLUE AT KNOXVILLE, TENN.

Fine Breeding Stock for Sale. Males \$2.00 and up. Females \$2.00 and \$3.00 each. Eggs from finest matings \$2.00 for 15. Incubator eggs \$5.00 per 100.

**SAM M. COOPER, FOUNTAIN CITY, TENN.**

# ORPINGTONS

I breed the Single Comb Buffs exclusively. A superb strain of heavy layers, bred for utility purposes and to meet standard requirements. They are strong, vigorous and handsome. Eggs for hatching from my three best pens for \$2.00 per 15. Will guarantee 75% to be fertile. Write for circular.

**E. C. RHODES, Box 24, Broadway, Va.**

# RYLAND'S SINGLE COMB WHITE LEGHORNS

The Big Kind--The Laying Kind--The Kind with the WINNING Ways

Listen to what one of my customers has to say about them:

Mr. A. P. Ryland, Pine Bluff, Ark.

Bolinger, La., February 21, 1910.

Dear Sir:—I herewith enclose you check for \$7.00 for which ship as soon as possible 100 S. C. White Leghorn eggs by Pacific Express, advising at once when to expect shipment.

I received the six yearling hens and cockerel several weeks ago and am more than pleased with them. I did not know so much of the quality at the time they arrived as it was my first experience, but since that one of my friends here purchased from another party a pen and paid more money for them and do not compare with the ones I got of you. During these cold winter days the six hens lay six eggs some days, and have averaged better than three right along. I am so well pleased with them that I have purchased an incubator and am going to try my luck with some of your eggs.

Hoping you will be able to make shipment by the latter part of this week, I remain,

Yours very truly,

J. C. BOLINGER.

Utility flock that has the range of 80 acres of land. Eggs \$1.50 for 15; \$2.50 for 30; \$4.00 for 50; \$7.00 for 100. Special matings \$3.00 for 15; \$5.00 for 30; \$15.00 for 100. Winnings and mating list free.

**A. P. RYLAND, The Chicken Man**  
**PINE HILL FARM, PINE BLUFF, ARK.**



## NATURALLY

YOU WANT healthy, sturdy stock.

YOU WANT quick growers.

YOU WANT good layers.

YOU WANT birds that will be a credit to you.

YOU WANT your order to receive the personal attention of the management.

YOU WANT to buy where you get the greatest value for your money.

Then Send to

# Afton Farm

## YARDLEY, PA.

S. B. & E. W. Twining offer

Mammoth Imp. Pekin Ducks  
Single Comb White Leghorns  
Cornish Indian Games  
Barred Plymouth Rocks  
Pure White White Wyandottes

NOW IS THE TIME

To place your order for "EGGS FOR HATCHING."

OUR BOOKLET

It is sent free for the asking S. B. & E. W. Twining,  
Afton Farm, Yardley, Pa.



## NOTE

THE CLEARNESS OF OUR  
CUTS, THEY PRINT WELL



**TENNESSEE ENGRAVING CO.**

719 CHERRY STREET  
CHATTANOOGA, TENN.

WRITE FOR PRICES

## BUTTERCUPS

Cockerels for sale about a year old. Best blood in America. Took first prize at Fair last fall. Also AIREDALE TERRIERS.

**DR. TONEY, HUMBOLDT, ARIZ.**

HERE'S A BARGAIN FOR POULTRY RAISERS WHO  
WANT STATIONERY

1000 Letterheads, 8½x11.....	\$2.50
500 Letterheads, 8½x11.....	2.00
1000 Noteheads, 6x9.....	1.75
500 Noteheads, 6x9.....	1.00
1000 Envelopes, size 6¾.....	1.75
500 Envelopes, size 6¾.....	1.00
1000 Business Cards.....	1.75
500 Business Cards.....	1.00
1000 Shipping Tags.....	1.25
500 Shipping Tags.....	.75

Cuts furnished free. Good material. Cash to accompany order.  
D. M. DUACAN, Printer for Poultrymen, Brandenburg, Ky.

## Invincible S. C. Brown Leghorns

Again win firsts, Southern Ohio Show.  
Eggs, \$2 to \$3.

Special offer to Southern buyers.

**HARRY T. TRAINER, CARPENTER, OHIO**

**A. C. SNODDY**

BREEDER OF

## COLUMBIAN WYANDOTTES

Winnings, Knoxville, 1908, pul., 2 ckl.; 1910,  
1, 2, 3, 4 hen, 3 and 4 ckl., 2 pen. Eggs \$1.50 and  
\$3.00 per 15.

**NEWPORT, TENN.**

## The SOUTHERN PLANTER

The South's Oldest, Largest and Best  
Farm Magazine

and THE INDUSTRIOUS HEN, both one  
year for 50 cents.

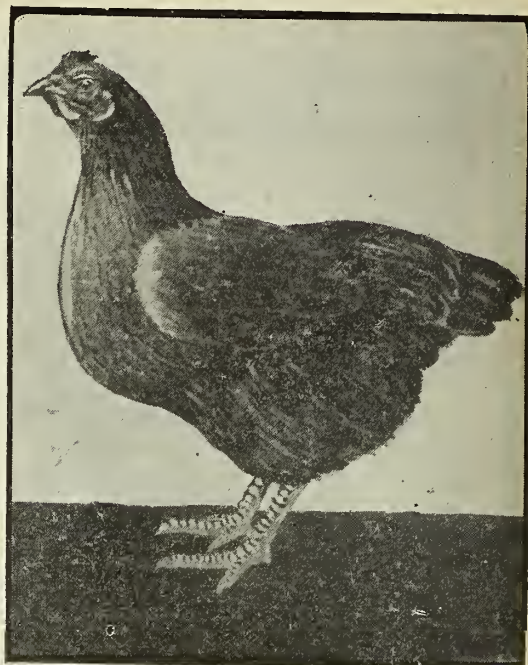
**INDUSTRIOUS HEN CO., Knoxville, Tenn.**

## EADY'S S. C. R. I. REDS

For the last two years we have won in eight leading shows of the South. 1908, won at Gadsden, Mobile, Birmingham, Ala. and Houston, Texas. 1909, won at Tullahoma, Tenn., Meridian, Miss., Gadsden, and Birmingham, Ala. Some of these Reds scored as high as 94 by Judge Marshall. We mated our birds Jan. 1st for 1910. We have 10 grand pens. Every cock and cockerel in these pens has won in some of the shows. Most of these pens are made up from prize winning hens and pullets. We expect to raise a lot of show birds from these pens. We want you to try a few settings of our eggs this year. Our price is \$2.00 and \$5.00 per setting of 15; \$10.00 per hundred. We have a lot of good cockerels and a few pullets for sale. Write for my 1910 mating list. Address

**C. W. EADY**

**GUNTERSVILLE, ALABAMA**



## OUR ROYAL STRAIN OF

## Barred Plymouth Rocks and White Wyandottes

are winning for us again this year at the big shows as they have done in the past. We won at Greenville, S. C., County Show; Augusta, Ga.; Spartanburg, S. C.; and Atlanta, Ga. At the latter show we won 1st Barred Rock hen and 3rd cockerel. We only exhibited 5 Barred Rocks at this show.

Those wanting eggs from prize winners had better write us at once.

**DES-RENA POULTRY YARDS, Greenville, S. C.**

WHITE PLYMOUTH ROCK AND S. C. BUFF LEGHORN  
EGGS FOR SALE

My pens are made up of the very best stock obtainable. My prices are right. Write me your wants.

**L. A. DICK,**

**New Market, Tenn.**

## WILBER'S FARM RAISED S. C. W. LEGHORNS

Are bred to lay and win, and do it. Unexcelled the world over for beauty and great egg production. 239 egg average by eighteen noted winning hens in one year, winning for our patrons and ourselves in twenty-two of America's best shows. Special exhibition matings, \$5 for 15; \$9 for 30. Extra choice matings, \$3 for 15; \$5 for 30. Choice matings, \$2 for 15; \$3.50 for 30. Special prices in 100 lots. Book your order now and state when to ship. Satisfaction sure. Catalogue for stamp.

**WILBER BROS.,**

**R. 4, Box C,**

**Cleveland, Tenn.**

18 years the White Leghorn men

## Frank's S. C. Rhode Island Reds

Won at Nashville, September, 1909, first cockerel, second and third cock, second and fourth hen, fourth pen; also Silver Cup and American Poultry Association Medal for best cockerel in show; American Poultry Association Diploma for best male under year old. At Memphis, won second cock; at Augusta, won third cockerel and fourth cock. No more stock for sale until after the egg season. Eggs \$2, \$3, \$5 and \$8 for fifteen; \$3, \$5, \$8 and \$12 for thirty. Catalogue free.

**JAMES M. FRANK, Cherry St., near Church, NASHVILLE, TENN.**



# BROWN LEGHORNS EGGS \$3.00 per 15 BLUE RIBBON WINNERS

My free circular on show  
records and matings.

## E. E. CARTER KNOXVILLE, TENN. Dept. I. H. 967 Broadway SINGLE COMB RHODE ISLAND REDS

EGGS— Utility strain, \$1.50 per 15.  
Exhibition " 3.00 " "  
DAY OLD CHICKS— Utility strain, 2.50 " "  
Exhibition " 5.00 " "  
Discount of 5% on 30 eggs or chicks. 10% on 100

**SIDNEY ALLEN**  
630 Graymont, Birmingham, Ala.

**S. C. BUFF ORPINGTONS**  
Eggs, \$1.50 and \$3.00 for 15  
**S. C. BROWN LEGHORNS**  
Eggs, \$1.50 and \$2.50 for 15  
**S. C. RHODE ISLAND REDS**  
Eggs, \$1.50 and \$2.00 for 15

Winnings, State Fair, Jackson, Miss., 1908,  
Orpingtons, 1st pen; 1909, Orpingtons, 1st pen,  
1st pullet, 2nd cock; Leghorns, 3rd cock.

50 Extra Nice Cockerels at \$2.50 to \$5.00 Each

Pekin Duck Eggs, \$1.00 for 11. Fox Terrier  
Dogs—the very best of ratters. Ask for prices and  
my mating list, 1910. Correspondence a pleasure.

M. T. YOUNG, R. 2, Box 3, Canton, Miss.

## Dozier's Famous B. P. Rocks

Made Famous by Egg laying and Winning prizes. 1907-'08, 33 Regular and 7 Specials. 1908-'09, 58 Regular and 8 Specials. So far this season at 3 shows have won 38 prizes. At Memphis, Tenn. against the New York breeders I was the only man South that won on Barred Plymouth Rocks, winning 1st Hen, 2nd Pen and 3rd Pullet.

**QUALITY:**—That is what I breed. If you want GOOD STOCK write for prices, in Trios and Pens. Have a lot of GOOD COCKERELS extra that will improve your stock. Book your orders now for early EGGS from LINE-BRED STOCK. Regular matings \$3 per 15. Special matings \$5 per 15.

**C. H. DOZIER** (Breeder) **Marion, Ala.**

## 1910 EGG SEASON NOW ON

We have mated four yards of extra fine OLD GOLD Strain Buff Plymouth Rocks, heavy layers, true Rock shape, uniform Buff throughout. Write for descriptive circular and price list.

**BARGER'S POULTRY YARDS,** P. O. Box 86 "A", **YORK, ALABAMA**  
N. B.—Mention *Industrious Hen* when writing.

## CAMPBELL'S S. C. BUFF LEGHORNS

Have again proven their "QUALITY" by their winnings this season. Have captured the BLUE and SPECIALS for BEST SHAPE and COLOR in the strongest competition, and if it is "QUALITY" you want, write


**MRS. C. B. CAMPBELL,** **Asheville, N. C.**  
State Vice-Pres. of American Buff Leghorn Club

## A GOOD INCOME FROM 60 HENS

That's our record! We are practical poultrymen—not amateurs. We are the originators of the **BEAUTIFUL "PEERLESS" BARRED ROCKS**

Stock completely sold out. Couldn't meet the demand by several hundred birds, but we can supply your needs in Fresh Fertile Eggs for Hatching at very reasonable prices, quality considered. Any way let us send you our 1910 Mating List—FREE. Address

**PEERLESS POULTRY YARDS,** Box 25, Washington, Miss.



**BREEDERS MAGIC EGG TESTER**

shows the strongest hatching eggs **BEFORE** incubation. Think of the saving! Thoroughly advertised and tried last year. 12,000 now in use. **Incomparable testimonials.** "Strongest germs in eggs testing 'xx.'—SEILER. How do your eggs test? Send for one and find out. Use the Tester now at our risk and for sixty days after the first hatch is off. If not desired, money refunded. A boy can test 10 per minute. Sent prepaid, complete, with newest methods of incubation, on receipt of \$2.00.

MAGIC EGG TESTER WORKS, Buffalo, N. Y. and Bridgeburg, Canada.

## R. C. R. I. REDS

Eggs from prize winning stock \$5 setting. Pen of 1st, 2nd, 3rd prize hens, 1st pullet, 2nd cockerel at Asheville Poultry Show, all Tuttle stock. Cockerel was sired by 1st prize cockerel at Madison Square Garden, 1909. Will have only a few settings to sell from this pen. Better order at once. Settings from 2nd pen \$1.50.

## CRESCENT POULTRY YARDS

**CARL H. MESSLER, Prop.**  
**ASHEVILLE, N. C.**

## PARTRIDGE WYANDOTTES

Winnings at Asheville Show, Dec. 8-10, 1909, 1st, 2nd cockerel; 2nd, 4th pullet; 3rd hen; 2nd pen. Stock, \$2.50 and up. Eggs, \$1.50, \$2.00, \$2.50

**B. R. WARREN, R. 3, Asheville, N. C.**

## TRAP-NESTED

Winter-laying White Rocks and White Leghorns. Eggs \$1.25 per sitting. Mating list for the asking

**DIAMOND STOCK FARM**  
**NEWBERN, TENNESSEE**



# S. C. RHODE ISLAND REDS AND "CRYSTAL" WHITE ORPINGTONS

THE KIND THAT WIN AND LAY WHEN OTHERS FAIL

My record in the show room this season is almost unequaled by any Southern breeder, having won nearly 100 prizes, many specials, diplomas, silver cups, and shape and color specials at the following shows: Macon, Augusta, Atlanta and Gainesville, Ga., Gastonia, Asheville, N. C., Lebanon and Knoxville, Tenn.

If you want S. C. RHODE ISLAND REDS that are true shape and deep, rich red to the skin; and "CRYSTAL" WHITE ORPINGTONS that are "WHITE AS SNOW" and that win in the show room and lay in the breeding pens, you should place your order with me.

Send for my mating list that gives you a full list of my winnings and describes my breeding pens and shows you some of my prize winners from photographs as they are in my yard.

## C. A. DOBBS,

## Gainesville, Ga.

Member of S. C. Rhode Island Red Club, American Rhode Island Red Club, American Orpington Club.

# COLUMBIAN WYANDOTTES

Unexcelled as layers. A utility strain with standard requirements equal to the best. Circular with list of winnings for the asking. Eggs \$1.50 and \$3.00 a setting.

## H. E. CAIN,

## R. F. D. No. 3,

## ASHEVILLE, N. C.

# Orpingtons

S. C. BUFF, Exclusively

## EGGS REDUCED TO \$3.50

Per setting of 13, for this season only, as long as the supply lasts.

**First Pen:** Headed by grand young cockerel, sired by 1st winner at Madison Square in 1907. **Second Pen:** Headed by 1st cockerel at La. State Fair; both cockerels mated to large, shapely, buff-to-the-skin pullets and hens.

**Fertility guaranteed. Mating List** with full description and prices free. My supply will be limited and soon exhausted, so write at once.

## GEO. M. WELLS, Pine Bluff, Ark.

## FIRELESS BROODERS

Are all the go now. They raise the healthiest fowls. Send 50c to Paul & Herbert, Shellman, Ga., and they will give full instructions by which you can make all you want for less than each.

## S. C. W. Orpingtons

### THE STRAIN THAT LAYS

## EGGS \$2 per 15

NO STOCK FOR SALE

## J. C. MOORE

DOTHAN, ALABAMA

# BARRED AND WHITE ROCKS

My birds have never been defeated in show room. Last winnings almost unparalleled. 1st, 2nd, 3rd cock; 1st, 2nd, 3rd, 4th cockerel; 1st, 2nd, 3rd, 4th hen; 1st, 2nd, 3rd, 4th pullet; 1st, 2nd, 3rd pen and best breeding pen in show.

Eggs from best pens, \$3.00 per 15; second pens, \$1.50 per 15.

Day old chicks, \$12.50 and up per 100.

A few exhibition White Rock males for sale—bargains for breeders.

**SCOTCH COLLIES**, the poultryman's friend.

## SANFORD McFERRIN

## R. F. D. No. 5,

## SPRINGFIELD, TENN.



## CHICK-A-DEE FARM

BRED TO LAY

## SINGLE COMB WHITE LEGHORNS

## J. A. DINWIDDIE, ROUTE 3, NEW MARKET, TENN.

## INCUBATORS

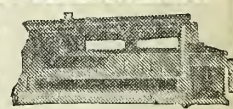


## CLOSE-TO-NATURE BROODER

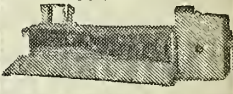
A Brooder built on the Most Exact Scientific Laws. Three life-saving Principles not found in any other brooder invention: Warmth by Conduction and Contaction; Ventilation by Induction and Perculation; Prevention of Piling and Crowding by Mechanical Construction. Has met with a most remarkable reception the past three years, being used and endorsed by many scientific and successful poultrymen. Not a novelty, a hot air bake oven, a lampless cold storage box, nor a dollar "system", nor a quick-get-rich-forty-foot-lot plan, but it is an expensively constructed, common sense, close-to-nature chick nurse, blending the instincts of the mother hen with the reason of man and satisfying every natural impulse of the chick. Brooders are double, metal lamp box outside, hovers adjustable, double tops, triple hover floors, withstanding wind and weather. Brooders for orchard and field, and Independent Hovers ready for instant use in box or shed. Need little attention. Eminently the brooder for the business man and the farmer.

Incubators of same high merit and equal successful experience of the brooders. Catalog free.

CLOSE-TO-NATURE COMPANY, 28 Front Street, COLFAX, IOWA.



HOVER



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## FOR THE POULTRYMAN

## FOR THE FARMER

## FOR EVERYBODY

We have hundreds of cuts to illustrate your Letterheads, Envelopes, Circulars, Mating Lists, Catalogues, etc.

Our charges are no more than your home printer's, and quality of our work far superior. GET OUR PRICES. **INDUSTRIOUS HEN CO., Knoxville, Tenn.**



# PARRISH

BREEDS

## Quality Columbian Wyandottes

Parrish breeds and sells more show specimens than any five breeders in the South.

At the great Nashville State Show, September, 1909, in the largest class ever shown in the South, I won First, Second and Third Pen; Second and Third Cock; First, Third and Fifth Hen; First and Second Pullet; Second, Third, Fourth and Fifth Cockerel.

Write for Catalogue

## T. REID PARRISH

LICENSED JUDGE

North Sta., NASHVILLE, TENN.

## DENNIE'S BUFF ORPINGTONS

My birds speak for themselves—as layers and breeders of strong, vigorous chicks.

They win for me and will win for you if you will only give them a chance.

Eggs \$5.00 for 15. Record for 8 pullets, 9 months old, from Jan. 1 to Feb. 18, 300 eggs. Pretty good for cold weather; don't you think so?

Inquiries a pleasure. Write me your wants.

West Lawn Poultry Yards

51 Gilmore Ave., Nashville, Tenn.

## S. C. BUFF LEGHORNS

Booking orders for eggs from the best in the South.

Eggs \$2.00 and \$3.00 per setting of 15.

ROBT. P. ADAMS, R. F. D. 1, Lynchburg, Va.

### BOLLINGER'S CHAMPION BROWN EGG STRAIN OF WHITE WYANDOTTES

My twenty years experience in breeding and perfecting the White Wyandotte enables me to offer this season EGGS from the most select matings I ever put together at \$2.00 per 15, \$3.50 per 30, \$10.00 per 100. REMEMBER I HAVE BRED, SOLD AND EXHIBITED SOME OF THE BEST WHITE WYANDOTTES IN THE SOUTH FOR YEARS. I can send you EGGS that will hatch regardless of distance. COLUMBIAN WYANDOTTES—Am breeding this beautiful variety along the same lines as my Whites. Have two pens, wonderful in color, that cannot fail to produce something good. EGGS \$2.00 per 15. Before you buy write me as I can surely please you. Catalogue.

R. S. BOLLINGER, SHANDON, COLUMBIA, S. C.

### S. C. Buff Orpingtons, S. C. Buff Leghorns, S. C. White Leghorns

The Three Leading Strains of America

My Birds are winners of the blue, and will win for YOU. If you want eggs from good, healthy stock, that produce good healthy chicks, send me your orders. My prices are reasonable, and I can supply any number you may want.

F. M. BOSTICK, Box 423, HOT SPRINGS, ARK.



Lady Baltimore  
Winner Shape Special,  
Little Rock, Ark., Score 94.

## S. C. REDS

Bred from a long line of prize winners. They show their breeding by winning in four states, 1909. With 15 birds entered at Little Rock, Ark., I won nine regular and seven specials, including Stiff loving cup for highest-scoring pen of any class in show; \$10 in gold for second highest-scoring fifteen birds by one exhibitor. 3 out of 4 club badges given by the Rhode Island Red Club of America. If you want the best in Reds or if your flock needs new blood, Mr. Breeder, write me. Mating list now ready. Eggs for hatching, \$2, \$3, \$4, \$8 per setting; utility, \$1.50 per setting. Stock all sold.

CHERRY RED POULTRY YARDS,

D. E. Macgowan, Prop.,

1129 College St.,

Memphis, Tenn

## BOYD'S S. C. BROWN LEGHORNS WIN DURING SEASON 1909-10

Forty-one (41) regular prizes and numerous specials on forty-four (44) entries in such shows as Chicago, Atlanta, Augusta, Birmingham and Tennessee State Fair against noted national winners. Decidedly the best matings I ever made. Eggs \$3 and \$5 per 15. Circular free.

DR. H. T. BOYD,

Sweetwater, Tenn.

## GOLDEN WYANDOTTES (EXCLUSIVELY)

If it is Goldens you are interested in, be sure and write for my circular; it tells about my birds—the prizes they have won and my prices for stock and eggs.

If you want something good, be sure and write to

G. A. HARRISON, Sta. B, Nashville, Tenn.

Vice-Pres. National Golden Wyandotte Club and Proprietor Mapletou Poultry Yards



# WANTED

Everybody who wants the best egg producers and prize winners in the U. S. A. in S. C. White Leghorns to write me. I ship every bird on approval. If not pleased return shipment and I pay express both ways and refund all money paid. Breeding stock strong and laying. Only 200 head more of fine breeders to sell at \$2.00 per head. Yearlings and pullets, cocks and cockerels, \$3.00 each. My exhibition yard has an average score of 95 points. Eggs \$3.00 per 15. All other yards made up of fine breeders, eggs, \$1.50 per 15; \$8.00 per 100.

**A. J. LAWSON, Prop.**  
**WHITE HILL POULTRY FARM**  
 Route 4, Box 2, CLEVELAND, TENN.  
 State V. Pres. Natl. S. C. W. Leghorn Club.

## BUFF WYANDOTTES

### The Best All-Purpose Fowl

My matings are the best in the South. Eggs, \$3 per 15; \$5 per 30. Get my show record—it's a good one. Write for circular.

**R. C. RICHEY**  
 "FIVE ACRES"  
**McKENZIE, TENN.**

Member of the American Buff Wyandotte Club

## SUPERIOR QUALITY BREEDS

(At St. Louis, 1909)

Awarded Highest Honors. Andalusians—1 cock, 2 hen, 2 pullet. Columbians—2 hen, 4 prizes and 6 entries. Over 5000 birds competing—from 22 states. Also won at Tenn. State Fair, including Orpingtons. We have the goods, come to us.

Martin Poultry Farm, R. 5, Nashville, Tenn.

## MERITORIOUS STOCK MAKES BUSINESS

Our pens of R. and S. C. Rhode Island Reds, Barred Rocks, S. C. Black Minorcas, Columbian Wyandottes, Buckeye Reds, have been scored and mated by an expert judge and we offer eggs from our splendid matings at \$1.25, \$2.00 and \$3.00 per 15 eggs. We always endeavor to please our patrons and give them full money value. A few scored S. C. R. I. Red cockerels for sale.

J. O. CATE, R. F. D. 1, MARTIN, TENN.

## WHITE WYANDOTTE CHICKENS

### MAMMOTH PEKIN DUCKS

Quality Birds Bred to Lay

Won this year 15 firsts; 9 seconds; 2 thirds; 2 fourths; 3 fifths; 2 specials; Silver Cup.

Eggs, Chicken, \$1.50 for 13.

" Duck \$1.50 for 11.

O. RUTHERFORD, Box 77. EUTAW, ALA.

## S. C. WHITE LEGHORNS

The kind that lay eggs and win the prizes. Have taken firsts or seconds at all the shows have shown at this fall. Have done it without any preparation for the show room whatever. Now have my pens all mated up and can furnish eggs at \$2 to \$5 for 15.

DR. S. C. TATUM, CENTER, ALA.

## CRESCENT HILL POULTRY FARM

Breeder of

RINGLET BARRED ROCKS, R. C. B. LEGHORNS and BOURBON RED TURKEYS

Eggs, 1st Pen, \$2.00; 2nd Pen, \$1.50. Some stock for sale. My birds are farm raised, strong and vigorous and prize winners. Mail orders a specialty. Address

MRS. M. N. BARFIELD, Henning, Tenn.

## INDIAN STRAIN ROSE COMB RHODE ISLAND REDS Exclusively

My stock is from 1st prize winners at New York, Boston and Indianapolis. They have won for me, in keen competition, at South's best shows. Write for my booklet—it's free. Eggs \$3 and \$4 per 15. Satisfaction guaranteed.

E. W. ALLEN,

West Nashville, Tenn.

## SINGLE COMB RHODE ISLAND REDS

The kind that lay eggs and win prizes. Day old chicks from best prize winners 30c each or \$25.00 per 100; from pens Nos. 2, 3, 4 and 5, 15c to 25c each or \$15.00 to \$22.50 per 100. Pedigreed Scotch Collies.

BERNICE N. ANDERSON,

R. F. D. 4,

Springfield, Tenn.

## REDS—ROCKS—CORNISH

BOTH COMBS

BARRED AND BUFF

INDIAN GAME

REDS from Langford & Tracy strains, Eggs \$3.00 to \$5.00 per setting. BARRED ROCKS from Thompson's famous "Ringlet" strain, Eggs \$3.00 to \$5.00 per setting. CORNISH INDIAN GAMES. Imported stock, Eggs \$2.50 to \$4.00 per setting. Special prices in large quantities.

All our stock carefully selected from the very best strains for vigor and laying qualities. If you want eggs from the very best stock send in your orders now and get something that you will be proud of at your next show. We give a year's subscription to "THE HEN" with every order for 100 eggs.

Agents for Cyphers Incubators and Poultry Supplies. Write for circular. A few nice R. I. Red cockerels for sale. HAMILTON & CRAY, Box 52, Gastonia, N. C.

## BARRED PLYMOUTH ROCKS—INDIAN RUNNER DUCKS

Two of the best utility strains in the South. Eggs from both breeds, \$1.00 to \$2.00 per setting. \$5.00 to \$10.00 per 100. No stock for sale. Satisfaction guaranteed.

RIVER VIEW POULTRY FARM,

W. F. Bayless, Prop.,

Morristown, Tenn.

## WORLD'S BEST RHODE ISLAND REDS

Hampton's famous first prize winners at New York, Boston, Jamestown, Chicago, St. Louis, Scranton, Pa., Marshfield, Wis., West Va. State, Birmingham, Knoxville, and Bristol. My famous "Red Lady" is the mother of that \$1000.00 S. C. Cock that won 1st at Madison Square Garden, New York, Jan'y 1909. Why buy cheap eggs and raise a lot of worthless culls? Just pay a little more and get eggs from these famous prize winners that will produce prize winners for you that are worth 20 times as much as culls. Eggs half price after Apr. 1st.

SOUTHERN POULTRY FARM,

Wade Hampton, Prop.,

Rogersville, Tenn.

## LAYMAN'S "Red Rex" Strain of S. C. R. I. REDS

Winners of nine firsts, four seconds, three thirds, two fourths and seven special premiums this season in three large shows. If interested in high grade Reds at prices that will please you, write for my matings. Glad to answer all inquiries.

HORACE M. LAYMAN,

HUNTSVILLE, ALA.

## PRIZE WINNING S. C. BUFF ORPINGTONS

At Tenn. State Fair, Nashville, 1909: 2nd cockerel and 4th pullet. At Alabama State Fair, Birmingham, 1909: 1st cockerel, 1st pullet and 2nd pen. At McMinnville Poultry Show, McMinnville, Tenn., 1909: 1st cockerel; 1st, 2nd, 3rd pullet; 1st pen, and six specials and one sweepstakes. At Knoxville Poultry Show, Knoxville, Tenn., 1910: 1st cockerel; 2nd, 3rd, 4th pullet; 1st, 3rd pens; three specials.

EGGS \$3 AND \$4 PER 15.

G. B. MOORHEAD, Lynchburg, Tenn.

## DAY OLD CHICKS FOR SALE

Dixon, Illinois, and Clinton, Iowa prize-Winning White Plymouth Rocks.

25 chicks, \$5.00; 50 chicks, \$7.50. Not a bird in any of my pens that scores less than 94, and all up to the Standard in all sections. Eggs from Pen No. 1, \$2.50; Pen No. 2, \$2.00.

H. H. RUTH,

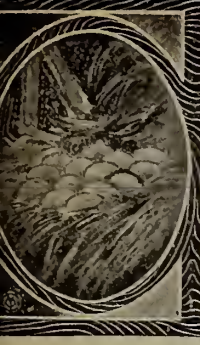
Morrison, Ill.

## WINNING WHITE WYANDOTTES


At Chicago in Dec., 1909, I won 1st cock, 2nd pullet, 1st pen, and specials for shape, for color, for best display; for best cock, hen, cockerel and pullet. At the Atlanta show Jan., 1910, I won 1st cock, 1st and 5th hen, 2nd cockerel, 1st and 4th pullet, 1st pen, also sweepstakes over all pens of solid color. If you like the best, write.

M. F. MORRIS, Box 255, Atlanta, Ga.





# THE INDUSTRIOUS HEN



An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 6

Knoxville, Tenn., March, 1910

(Whole No. 70) No. 10

## STATE AID FOR THE POULTRY INDUSTRY

WRITTEN BY THE EDITOR

STATE aid for the poultry industry is what the country needs and what it is going to have; but like all other things it can be obtained only by hard work. A formal request to State legislatures will have little or no effect. It will take thorough organization in every State—an organization of all the poultry people and the cooperation of their friends in presenting facts and figures of a convincing nature to the honorable men who fashion our laws. By such methods the State of Missouri recently secured an appropriation of \$10,000 to promote the interests of poultry within her borders, and with the right sort of work every other Southern State where THE INDUSTRIOUS HEN circulates ought to do the same.

In most of the States there has been recently an effort made to obtain State aid for poultry, but rarely with any sort of success. In fact the result has often been to curtail the previous appropriation or to cut it out altogether. The trouble was that the poultry farmers' claim was not presented in an impressive way. The one exception was the State of Missouri, as already related, where the justice of the demand was made so convincing that the proposition carried with scarcely a dissenting vote. The rest of us may have a similar success if we put our best poultrymen in the lead and back them up with the right sort of work.

The object in every State should be to secure an appropriation sufficient to establish a State Poultry Board appointed by the governor and to provide for efficient work by this Board in all the lines demanded by our State poultry interests. This should include the collection and publication of poultry statistics, the holding of institutes for instruction in poultry culture, the publication of bulletins for the dissemination of poultry information, the employment of a salaried secretary to open an office at the State capitol and direct the poultry interests of the State, and answer questions by mail of such character as may arise where the people are engaged in poultry work; also to travel when necessary in the interests of poultry.

It should also be the object of this State Board and its secretary to organize the poultry interests of the entire State by encouraging local clubs and associations as well as a State association. The territory assigned to local organizations might follow civil district and county lines or be governed by towns and other centers of population as might seem best. Each association should be encouraged to offer premiums for excellence in poultry culture as exhibited in annual shows, or exhibitions of poultry products, both locally and for the State at large.

How else shall the money be expended? For any public benefit in the poultry line that can not be reached by poultry people by their own private efforts. A State poultry show might be assisted, and contributions made to eminent poultry lecturers from other States to work in a system of State poultry institutes and disseminate information about poultry methods among farmers and others interested in poultry culture. The securing of increased membership in all the clubs and associations, local and otherwise, should also be looked after as a means of promoting interest, and likewise to secure additional revenue for advancing the work.

The State Board should also direct the people in better and more successful plans of production and the shipment of their products and bringing into the State millions of dollars from sales of our surplus products. Much information and help could be given as regards shippers' organizations and protection against unprincipled commission houses. Also factional interests could be harmonized through the State

Board and cooperation in production and sales of poultry encouraged.

An organization of all the leading poultrymen in each State should be effected without delay with a view to promoting the legislation proposed. This may be done through the help of local associations already in existence. Don't wait till the legislature meets, but as soon as members are elected have a strong committee to take them in hand with interviews and circulars of information. Leading members especially should be visited and the desired legislation fully explained to them and promise of support secured, if possible, by leading poultry representatives, and all proper courtesies should be extended on all occasions.

One or more properly qualified poultrymen should be secured to draw up a bill to be enacted into a law making the appropriation desired and such other provisions as may be necessary. This should be carefully placed in the hands of the most suitable member to introduce and advocate it. There must also be a leading spirit among the poultrymen or their friends to push the matter, especially before the legislative body in session. He must also organize the poultry people and secure petitions from them to the legislature. Every section and county of the State should send up its petition. Poultry breeders in every part of the State should besiege the legislature with letters urging the members to vote for the measure.

A legislative committee composed of members is important, but the fate of the measure must not be left to them. The lawmakers must feel the interest of their constituents behind them. A poultry leader or a picked committee of fanciers must go before the legislative committees that are interested and present all the facts and so argue the case as to secure a report from both the House and the Senate committees favorable to the passage of the bill. A favorable report is necessary to success and practically makes it certain.

The legislative committees must be shown the importance of the poultry interest to the State and the very moderate demand of the appropriation asked for, especially when compared with appropriations not nearly so important in other lines. The greater shipments of poultry in comparison with other products should be clearly shown. The grand total should be placarded in large figures and hung upon the committee-room walls. Members must be shown that it is for the practical farm poultryman that this appropriation is to be made rather than for fanciers and amateurs. How the farmer is to be benefited should be clearly shown. Everything should be made so positively clear that conviction and support will follow as a matter of course.

All legislative members will be interested in poultry, some possibly having special flocks. They should be shown the importance of a practical State Poultry Board to whom all poultry epidemics or diseases and disputed questions of management could be referred at the cost of a single postage stamp, thus saving to the whole State hundreds and thousands of dollars to the producers. If any member of the legislature is lukewarm with regard to this appropriation, see to it that poultrymen and farmers in his county at once shall send letters begging him not to vote against a proposition in which so many of his constituents are interested.

With such action as we have suggested the fate of such a movement ought not to be in question. Other points might be suggested but these are enough if properly carried out. Yet it will take work, and every poultryman should feel that success depends upon his efforts. The columns of THE HEN are open to suggestion and we shall spare no effort to make the enterprise a success.



# MUCH NEEDED REFORM IN THE EGG TRADE

WRITTEN FOR THE INDUSTRIOUS HEN BY MILO HASTINGS, 150 NASSAU ST., NEW YORK CITY

IN THE writer's report of his investigation of the marketing of poultry products made for the United States Department of Agriculture, a number of suggestions were made for overcoming the enormous loss in the selling of eggs. Most of these criticisms applied to the handling of

prices: 45—30 cents; 40—35 cents; 40—30 cents; 40—36 cents; 43—23—25 cents; 34—30 cents; 41—33—27 cents; 35—24 cents; 30—24 cents.

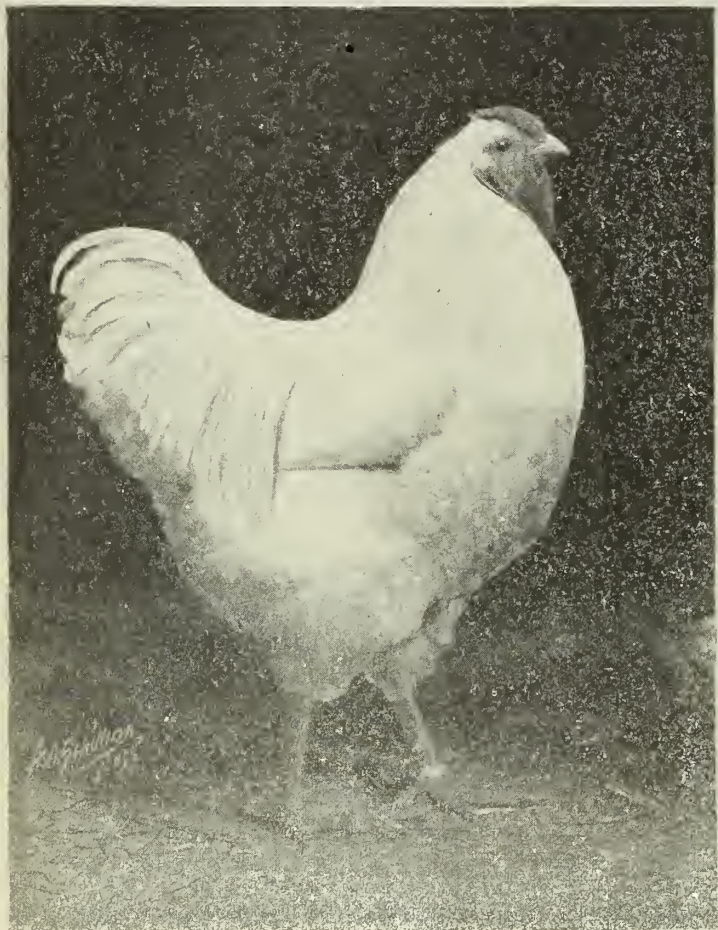
These figures taken at random show egg selling in New York City anywhere from 70 cents to 24 cents. In almost every store, both in the prosperous and in the poorer districts, the highest-priced grade of eggs are put up in cartons and labeled with the name of some farm. The great majority of these farms are fake. In other words, these brands are put up from the general run of Western eggs, which, at the date that these retail prices were taken, were quoted at 31½ cents.

The fake brands are usually put up by the middlemen or jobbers. Occasionally they are put up by the retailer. The quality of eggs sold under these "farm" brands is of course superior to the loose or cooking stock, which, in the summer, is composed of seconds from the candle, and in the winter of cold storage stock. But the fake farm brand of eggs selected from the general Western stock are by no means equal in quality to genuine poultry farm eggs.

As to the percentage of fictitious brands of poultry farm eggs compared to the genuine, it is of course impossible to arrive at any accurate figures; and, indeed, so far as any particular case is concerned, no one would be safe in making statements unless he had traced down the particular box of eggs offered. One thing I can say positively, and that is, practically every large egg jobber in New York City puts up one or more of those fancy brands of "farm" eggs.

There are a number of men who handle the higher grade business, who own or have a loose connection with some specific poultry farm. I know of one case in New York City of a very hustling young business man whose father owns a farm up state. The son came to the city to make a market for the eggs from his father's poultry farm. I do not know the exact number of hens kept upon the father's farm, but the young man has built a business selling "the eggs from my father's farm," which keeps half a dozen candlers and two or three bookkeepers comfortably employed.

This utilization of a single poultry farm to give name to the egg jobbing business seems to ease the conscience of our better class of middlemen. Not so with all. One of



FIRST PRIZE & COLOR SPECIAL CKRL. ALSO GOLD MEDAL, BEST BIRD IN SHOW MISSOURI STATE SHOW DEC. 1909, BRED AND OWNED BY W. E. JOHNSON & SON LEXINGTON KY.

At the St. Louis, Mo., poultry show, 1909, the greatest in quality and numbers ever held in the West, Messrs. W. E. Johnson & Son, Lexington, Ky., captured one of the most coveted prizes offered with a grand White Wyandotte cockerel. In a strong class, this bird won first prize and color special, also gold medal for best bird in the show. Such honors could be deserved only by a specimen of the highest quality and we do not hesitate to say that this bird may be classed with the very choicest of last season's production in this country.

the eggs from the general farms of the Mississippi Valley.

Since resigning from the Government service a year ago, the writer has been located in New York City and has had opportunity to study more closely the handling of the higher grade egg business as it appears in the country's greatest market.

As is generally known, the great majority of eggs eaten in Eastern states are produced on the farm in the Mississippi Valley, but in New York, as in other cities, there is a small proportion of genuine poultry farm eggs which are available for those who wish to pay for them.

The remarkable range of price at which eggs are retailed is shown by the following data collected in New York City upon the 3rd of February, 1910:

Briercliff Farms (near Fifth Avenue), 70 cents. Hicks, the Broadway Fruiter, White Leghorn eggs, 65 cents. Acker, Merrill & Condit, germless White Leghorn, 60 cents; Maplehurst farm eggs, 49 cents; cooking eggs, 39 cents. Park & Tilford, best grade, 54 cents; cooking, 43 cents. Shoffield Farms, best grade 55 cents; lower grades, 50 cents; lower grades, 45 cents. Butler Brothers, 39 to 35 cents.

Other stores in prosperous sections of the town had grades of eggs at the following prices: 50—47—53 cents; 50—47 cents; 43—33 cents; 55—50—42 cents; 46—38—34—30 cents; 54—39 cents.

In the poorer districts the following are typical sets of



S. C. Buff Orpington cockerel. Winner of three first and one second prizes. Bred, owned and exhibited by G. B. Moorhead, Lynchburg, Tenn.

the largest "wagonmen" in New York City (a wagonman is one who sells butter and eggs from the wagon in competition to the retail stores) a year or two ago, went out to a country village in New Jersey, hired an office, printed up stationery with the name of his "farm" on the letterhead,



and sent a million circulars to the housewives of New York City, announcing that he had established a rural route for his produce in the city and upon request would send his wagon to the consumer's door. After the circularization had been accomplished, the "farm" was moved back to the city and Uncle Sam requested to forward orders sent to the country town back to the produce district where cartons were filled from eggs bought in car load lots of commission men.

It seems to the reader that the consumer of city eggs should not be fooled by such palpable fraud. The average city housewife is keenly interested in the quality of food given her family, but she has no more conception of the tricks in the marketing of farm produce than the average farmer's wife has of the doings of the stock exchange.

The trouble is that there are no sharp lines of distinction between a good and a bad egg. After all, the consumer's judgment is the only standard by which eggs can be graded. The city housewife knows how the eggs should appear and taste. Under the present selling plan, if she buys poultry farm eggs and they are not up to the standard, she concludes that all eggs are inferior, and she knows no remedy except to serve bacon without eggs.

For the man who has genuine poultry farm eggs for sale, it is simply a matter of eliminating nine-tenths of the present competition. The writer believes that this can be done by the poultrymen themselves. Moreover, the funds necessary to do it will require no sacrifice, for the movement to inform the consumer of the present condition of affairs would pay its way from the start.

My plan is simply this: I would select, and register with the patent office, a trade mark in the form of a seal, which would bear some name, the exact wording of which would indicate that the eggs bearing this trade mark or label are from genuine poultry farms. In each carton of eggs, I would enclose a postcard addressed to the general secretary of the American Egg Producers Union (or Association.) The back of the postcard would read about as follows:

*TO THE CONSUMER:—The "Farm Packed" seal is a guarantee that these eggs are from the farm of a member of the American Egg Producers Association, and are not ordinary candled or cold storage stock put up by an unscrupulous dealer under the fictitious name of some imaginary poultry farm. The American Egg Producers Association enforces among its members the maintenance of a high standard of quality. If at any time you find fault with a carton of eggs bearing the Association seal, you will confer a favor upon both producers and consumers of high grade eggs if you will state your complaint upon this postcard (which bears the producer's number) and mail it to the Secretary of the Association.*

*Complaint .....  
Consumer's name ..... Address.....*

I am sure that a carton of eggs with such a seal and containing such a post-card would have an immediate selling value greater than that of any brand which it is possible for the poultryman to get out alone.

Such a movement would finance itself from the funds received from the sale of the registered seal. To use the seal without permission is a clear infringement of copyright. If private individuals infringe, either directly or by putting up a fake imitation of an association, I believe it would be entirely feasible to effect a prosecution under the misbranding clause of the Pure Food Law. My idea is that this movement could be made national, and eggs under the union brand be sold in any city in the country.

As to the proper amount to be charged for the use of the label, I will be glad to receive suggestions from others. My own idea would be that a cent a dozen upon carton stock and ten cents a case upon eggs packed for hotel trade would be a reasonable charge. As the operating expenses of the association will be light, a considerable fund could be accumulated if the movement proves at all popular. For this fund there will be a most excellent use.

I do not believe that the American poultrymen are close enough in spirit or in miles to handle cooperatively the actual marketing of their eggs. This is done in Denmark and England where the population is thicker and the spirit of cooperation has been more thoroughly developed. We will come to it ultimately in America; but my opinion is that the time is not yet ripe. I do believe, however, that the American poultrymen can get together sufficiently to carry out a scheme not unlike I have suggested.

An oversight of the use of funds by a committee whose name would be a guarantee of clean work, is all the organization that is needed. The central secretary's logical loca-

tion would be in New York City. Such a secretary should be at the service of the poultryman in all matters of information concerning the packing and selling of his eggs.

The secretary would of course have polite notices prepared with which to answer all consumers' complaints, and would likewise notify the member whose goods were criticised. The secretary would keep on file the number of breeds of hens, the plan of marketing, the style of package used, etc., of the member, and would have power, according to the rules under which subscription for use of the label are taken to withdraw the use of the label after due notification and upon a sufficient accumulation of complaints or evidence that the poultryman was marketing other eggs than his own under his private number as a member of the Association.

At the present time the writer is engaged in free lance literary work, and as my time is at my command, I would be in position to handle the secretaryship of such a movement as I have here suggested, and charge to the movement



First White Rock cockerel at Atlanta. Bred, owned and exhibited by J. P. Patterson, Fitzgerald, Ga.

only such proportion of my time and office expenses as would be actually required.

I would like all egg producers who read this article to write (150 Nassau Street, New York City) and tell me frankly what they think of my suggestions, and if they will join such a movement. If sufficient encouragement is received, I will proceed to register a suitable trade mark and prepare a definite set of rules, etc. I shall also secure the names of men well known to the poultry fraternity who will agree to act as a supervising board and then offer the poultrymen who have spoken in favor of the movement a definite opportunity to subscribe for the labels.

The preliminary expense necessary to perfect the organization in this manner will be only a few dollars and I think it more advisable for the Association to borrow this sum from the writer, or some other interested party, than to wait for the usual clumsy and tedious method of organizing a formal association.

As the charge for the "union label" will be small compared with the immediate added selling value, no one will suffer if the movement should not make good. However, I have no desire to take up the work unless I receive the hearty support of the poultry fraternity.



## THE CARE OF POULTRY

BY HAYDEN CLEMENT, EX-ASST. ATTORNEY-GENERAL OF NORTH CAROLINA, BREEDER OF S. C. W. LEGHORNS

**T**HERE is nothing that responds more readily to care and attention, or that suffers more from carelessness and neglect, than poultry. You that have failed to make poultry profitable are yourselves responsible, either from ignorance or carelessness. Warm, cozy quarters in the win-



Single Comb R. I. Red. 1st cockerel, Knoxville, 1908; 1st cock, Atlanta, 1910. Owned by Callahan & Son, East Point, Georgia.

ter, and cool, shady quarters in the summer, with an abundance of fresh water, wholesome food, and cleanliness, are the essentials of profitable poultry.

It must not be enthusiasm and attention one week, with carelessness and neglect the next, but it must be painstaking care and attention every day and every week.

Much also depends upon the time of the year the chicks are hatched. Study the climatic conditions where you live and then determine for yourself the best time for hatching. To those of us living South of the Mason and Dixon Line I advise that all chicks be hatched during the months of February and March—never later than April.

By early hatching a threefold result is obtained: First, you do not have to contend with lice, mites, gape worms, etc., in the early age of the chicks, and you will therefore raise a larger percentage of the chicks hatched. To raise 95 per cent. of the chicks hatched in these months is not uncommon. Second, the early hatched chicks will mature more rapidly and grow to a larger size than later hatched ones. Third, early hatched pullets will begin laying early in the fall and lay throughout the entire winter when eggs command the highest prices.

In order, however, to have winter eggs, I have satisfied myself that it is absolutely essential to have a warm house with floors and a southern exposure and a scratching pen. Without these, pullets and hens will be a dead expense during the winter months. I can put eight pullets in a piano box and get more eggs in the winter months than you can with thirty pullets that are allowed to run at large with only a roof for a shelter. You don't believe it? Try it!

Now as to young chicks, keep them penned up; you like to see them running at large—but keep them penned up. Little chicks allowed to run at large in the early morning dews and in newly plowed fields are certain to contract sore head and gapes. Did you ever see a person trying to cure chicks of the gapes by using a horsehair? They might as well try to bail out the Gulf of Mexico with a pail. I had a chick with the gapes killed and examined under the microscope. We found that there were thousands of little gape worms in the chick. The gape worm is of a very low order of life and we found that it responded more readily to turpentine than to anything else. The worm is from one-half to three-quarters of an inch in length and is in the shape of the letter "Y," one of the prongs being a bag or sack filled with eggs. It is very prolific, and as soon as the sack opens hundreds are born. Camphor pills will sometimes cure a

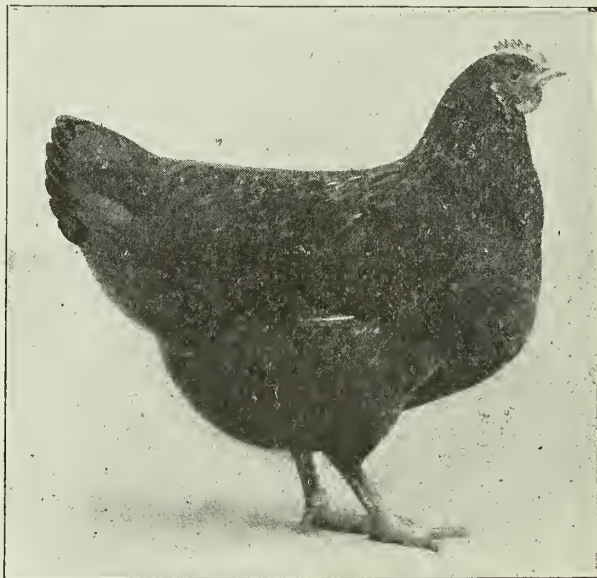
chick of the gapes. No medicine can reach them unless it does so by vapor. An hour after the chick has swallowed the pill it smells of camphor. Camphor is a very strong vermifuge, and the worms die. Another good remedy is caustic lime in a dry, powdered state. It may be either air or water-slacked. Hold the chick in the left hand, open its mouth with the thumb and forefinger, and with the other hand, drop a pinch of lime into it. Hold in this position for a few seconds until it is obliged to breathe, when it will inhale some of the lime; then let it go. By all means put a few drops of turpentine in the drinking water.

We have heard much of the so called "sure cures" for poultry diseases, but there is only one sure cure that I am familiar with, and that is a cure for cholera. Take red pepper pods and cut them up fine and boil in enough water to mix the bran or meal; to this add a little lard, mix up and feed to the poultry. If they are beyond the eating stage, force it down them three or four times a day and within a few days you will see that your labor has not been in vain. It has been years since I have lost a bird from cholera. It is a good idea to feed red pepper in the mash about once every two weeks in the winter, and to feed salts about once every two weeks in summer.

Here are a few poultry rules that will be found profitable:

1. Construct your poultry houses good and warm, so as to avoid damp floors, and afford a flood of sunlight. Sunshine is better than medicine.
2. Provide a dusting and scratching shed where you can bury grain and thus induce the fowls to take the needful exercise.
3. Feed systematically two or three times a day; scatter the food so they can't eat too fast, or without proper exercise.
4. Do not feed more than they will eat up clean or they will get tired of that kind of food.
5. Give a variety of food, both dry and cooked; a mixture of cooked meat and vegetables is an excellent thing for their morning meal.
6. Do not crowd too many in one house; if you do, look out for disease.
7. Use carbolic powder in the dusting bins occasionally to destroy lice.

Fresh milk with a dash of pepper, and green cut bone are the best things to feed laying pullets. I have fed fresh



VIRGINIA. (Photographed from life.) 1st pullet at Pittsburg, 1909. Showing the ideal type of R. I. Red. Bred on the Miles Poultry Farm, Oscar E. Miles, owner, Columbus, O.

beef scrap, but with not so good results. Fresh beef scrap should be fed sparingly—not over twice a week. It seems that eggs are not so fertile when fresh beef scraps are fed.

To beginners in poultry I would say: Don't expect to be able, by buying fancy-priced stock, to produce "blue ribbon winners" at the start; don't go in the business of selling fancy stock at first—a person must be an experienced and well known breeder before he will be able to receive high prices for his birds; it is best to select your breed carefully and stick to one breed; buy good "bred-to-lay" stock from a reliable breeder; study how to realize a profit by selling poultry and eggs for market; study your "Standard of Perfection" and gradually work up to breeding fancy prize-winning birds.



## HOW I CARE FOR LITTLE CHICKS

BY D. E. MACGOWAN, CHERRY RED POULTRY YARDS, MEMPHIS, TENN.

**A**S IN all other undertakings, good management is the true secret of success. There never will be any method of raising chickens to beat the genuine old hen with free range, but the trouble is that too many of the hens are no earthly good and too many chicks are killed from neglect and exposure, so that I claim I can produce better results with a good brooder than with hens for early chicks.

With the latest improvements in artificial brooding, and with proper feed, nearly all chicks that are properly hatched can be raised with good management.

It pays to have everything as near right in raising chicks as possible, as the number saved will pay all extra cost necessary to give them proper protection.

a wonderful help to quick and full development of the prize winning and early maturing stock.

Give all the green feed you can to young chicks, in one form or another.

Cabbage, lettuce, beets, or any other green feed, will help their growth, and if hung just a little too high for them to pick from the ground it will give them the best of exercise in jumping for it.

There is nothing like free range to produce perfect, ideal specimens, and the more we can provide for the growing chicks in the line of shade and foraging material by artificial methods, the better chicks we will have.



Cup-winning pen, Frankfort, Ky., January, 1909. Owned and exhibited by Pope & Pope, Louisville, Ky.

Leave all chicks in incubator until about 48 to 60 hours after the first egg is pipped, and then remove to brooder, which should have been previously heated to about 90 degrees, being careful not to chill them on the way in cold weather.

As you remove them from basket to brooder dip the bill of each in the drinking dish, which gives them their introduction to this important part of their diet.

The floor should have been sanded and a little fine chick charcoal and grit scattered around for them to pick at for half a day; and just before going to sleep for the night, give them their first feed of a good grade of little chick feed.

The next morning some hard boiled eggs crumbled and mixed with wheat bran make a very good feed along with crumbled crackers. While fresh milk is good, still I prefer the milk or water boiled at the start, as it is a preventive of diarrhoea, and every precaution you can take for the first five days pays. Scatter the prepared chick feed in litter (chaff or short cut alfalfa is best), and let them scratch for it, but be careful to see that the grain is not sour and the litter is in a sanitary condition. Steel cut oat meal fed once a day makes a very valuable feed, also oatflakes and broken rice are valuable to build up their frames and make strong, healthy chicks. Keep them a little hungry and scratching all the time.

Do not give chicks any more heat than is strictly necessary, as it is a very bad plan to get them tender and weak. Just as soon as you can leave out the lamp do so and gradually teach them to go to roost on some wide boards so there is no danger of crooked breast bones.

When about a week or ten days old give them high grade meat meal in hopper and keep it before them all the time, as by doing that they do not eat too much and it is

### TO FREE FOWLS OF LICE AND MITES

I put fresh water out every day for my chickens, turkeys, etc., says a writer in *The Farm World*, then once in two or three weeks I add a tablespoonful of sulphur, a half teaspoonful of red or Ceyenne pepper and five drops of coal oil to two gallons of water. This is a simple, harmless medicine, yet I never have roup among my fowls, nor do mites infest them or the hen-house. Just as soon as the little chicks come to view I take them away from the hen and put them in a warm, comfortable place—a box or basket—until all are hatched, then I place the mother-hen in a coop by herself and give her the little ones. If I have not plenty of hens I give several broods to one that has proved herself a good mother; or take all away, let the hens sit again the second, even the third time, and bring the chickens up “by hand.” One can accomplish wonders when one makes up one’s mind to do a certain thing. If you are interested in poultry-raising get all the information you can, take pains and use common sense, and you are sure to succeed. Cleanliness is a good thing—you cannot have too much of it, either, so far as poultry is concerned. I clean my hen-house out every morning, at least, throwing ashes over roosts, floor and nests. This is very important.

Spring is here again and with it comes the pleasant occupation of the raising of baby chicks.

Too often the chicken raising fever is allowed to cool down too early, with the result that the poultryman produces more culls than uniform, Standard birds.



## SOME NEW "SECRETS" IN SELECTING BREEDERS

REV. C. E. PETERSON IN "POULTRY FANCIER"

IN THE selection of breeding stock, the individuals that have developed most strongly the primary characters of their sex should always be given the preference, but as this matter of strong sex individuality is not always taken into consideration by the average breeder, he, in many cases, works against his own success because success in full measure can never be attained except this matter is fully understood and bred for.

There are effeminate males and masculine females—those in which the characters of the opposite sex are unusually developed and it is needless to say that such birds do not make the best parents from which to breed.

In the selection of the male bird, none but a fully matured bird should be used to perpetuate his kind, and by a fully matured bird we mean a bird which has developed all his secondary sexual characteristics as near to perfection as is possible. Nature has some laws that cannot lightly be trifled with and this is one of them; for, though it is true that an immature bird may be bred from, yet this same bird under more natural conditions would never find enough mates to do much damage to the type of the breed. The older bird is better furnished with means of defense, and the younger bird is routed from the breeding preserves, and until by means of successful battle he can maintain his position as sire of the flock in the natural state, his chances are very slender for propagation. In fact, this state of things can be observed in almost any farm yard where fowls are left to themselves, for here it is invariably the male bird with the most vigor and the most fully matured sexual characteristics that becomes what is commonly called "the cock of the walk."

Where birds are bred for certain desirable features, such as plumage and other Standard requirements, things take on an entirely different aspect, because natural selection and the survival of the fittest are set aside, supplanted by artificial selection which may, as we all know, work an entire change in a species for better or worse, as the requirements of the fancy may dictate.

Now, a male bird may be strong and active and in good physical health, and yet be a poor breeder. He is, rather, an eater; he puts on flesh, is a glutton, a hanger-on, that first and foremost attends to his own needs in preference to those of his consorts with which he is mated. He would in case of encroachment of another male, not show fight more than a minute, run, hide his head in a corner and utter sounds very much like a hen in distress, wings hanging, tail dragging—a coward and effeminate all through, that never for a moment could sustain his sireship of the pen if it had to be fought for. On the other hand, a male may be in poor health and yet be a strong breeder. He knows, or nature knows, that his time is limited and so he gives up reluctantly to the encroachment of other males on his premises and it is only for sheer lack of strength that he is vanquished, and never for lack of courage. Now, either one of these males should be avoided. It should be the purpose of the breeder to encourage every atom of the sexual instinct in his sires, and make it a strong point in his mating, never to use, if it can possibly be avoided—and it must be avoided—any male of the above description.

A fit breeding male should be a fully matured male; a male that is well spurred, that spoils for a fight, that will fight to a finish and if defeated crow his spite against his antagonist, dying. Such stuff as this makes the right kind of a breeder. He is ever on the alert, watching, guarding, calling the females, and would starve first before he would satisfy his own hunger as long as he could get one of the females to eat the last morsel. A strong crower, which means good strong lungs, which in turn means less liable to disease, last on the roost at night and first off in the morning, comb blood-red and eyes bright, full of the spirit of animal life, clapping his wings incessantly, dancing before the females, spreading his wing and displaying his beauty to the ladies of his harem. This is the strong, physical breeding characteristics of a male fit to perpetuate a race of hardy, healthy stock. The hackles should be long and flowing and an abundance of them; the saddle feathers and furnishings abundant, and nothing so detracts from the appearance of a male as scanty tail furnishings. Let the tail be well furnished, sickles long and flowing, and with the spread of legs that looks so well and bespeaks the confidence of his own powers to maintain the supremacy over his flock.

Scanty furnishing, knock-kneed, and awkward, ungainly looking males should be avoided. There is a natural grace in a male that should in every way be encouraged. Scanty tail furnishings is the cause of many a high-tailed bird. He has only a few feathers and they stand up straight; not enough of them to maintain the tail at the proper angle. The breeding from immature males is largely to blame for the lack of proper furnishings, as it is still true that "like begets like," and when immature males are used generation after generation no better result can be expected. The furnishings of a male is his badge of maturity; they show him to be fitted to breed from and no male bird is as handsome and as fit to breed from as in his second year, and it is about the same with all the different species of the Galinaceous birds.

The females should be selected with the same care regarding their secondary sexual characters, as it is just as bad to use a "cocky" hen in the breeding yard as it is to use a "henny" cock; both of them will be of little use in the perpetuation of their species.

Hens that begin as pullets to show signs of developing spurs very rarely make good layers; they will be found slow to come to the laying age, and their eggs will not be very numerous, nor, as a general thing, will they prove very fertile.

She will very often resent any advances made by the male in her second year, and if permitted to live out her existence, this tendency will be still more pronounced. She is generally the female in the open pen that the male takes a dislike to; the one that generally causes a disturbance whenever she has the opportunity, and she frequently makes the opportunity herself if it is not otherwise to be obtained. On examination of her internal organs it will be found that her ovaries are small, in many cases rudimentary, and in one sterile hen examined, they were shriveled and atrophied.

Now, it can be readily seen from this that it is of the utmost importance to look after the female that in every sense of the word stands out prominently a type of her own sex, and that however good her fancy points may be, a female showing strong tendencies to partake of the male characteristics should be used with a great deal of hesitancy, if at all, for it must be admitted that, to encourage the perpetuation of such characteristics, will in the end prove disastrous to all the hopes of the breeder by becoming their own extinction, which, with one breed, has taken place several times until males with more pronounced male characteristics were introduced to rejuvenate the strain.

### USEFUL THINGS TO REMEMBER

It requires an egg with a strong germ to produce a chick with sufficient stamina to make what we expect of it. A pen of hens poor in flesh or weak in constitutional vigor from whatever cause, cannot lay the right kind of eggs.

Your chicks can't grow well and be compelled to wait until nine or ten o'clock for their meal on Sunday mornings.

Keep an eye out for rats. Entire hatches can be destroyed in a single night by these pests. Don't allow lumber, logs, brush, and the like to accumulate around your chick yard, as all these afford rats a good hiding place.

Lettuce makes an ideal green feed for old and young chickens; as also does beet tops.

In feeding your chicks grain feed don't make the mistake of feeding cracked corn alone. Use a variety.

The poultry interest of the South was never so flourishing as at the present time, but the present is not one tithe of what it will be even in the near future. We have one of the best poultry countries in the world and its latent possibilities must be developed to their fullest capacity. We have the climate and all the other favorable conditions for making a grandly paying success of the poultry business and we must not neglect our great opportunity. In our mild climate, especially in the lower South, winter eggs ought to be a foregone conclusion, and they are. Instead of being supplied by the questionable product of cold storage, the great cities and even the country in the North will in the future get fresh eggs daily from the poultry farms of the Southern States.



## SOUTHERN-BRED BUFF ORPINGTONS

WRITTEN FOR THE INDUSTRIOUS HEN BY MRS. S. C. BRIDGEWATER, DIXON SPRINGS, TENN.

THE poultry show at Atlanta, Georgia—the Great Central Show of the South—should give a fresh impetus and importance to the interest of poultry in our part of the country, because of the magnificent capabilities that it made patent to us.

Surely, all needed enthusiasm was evident among the breeders.

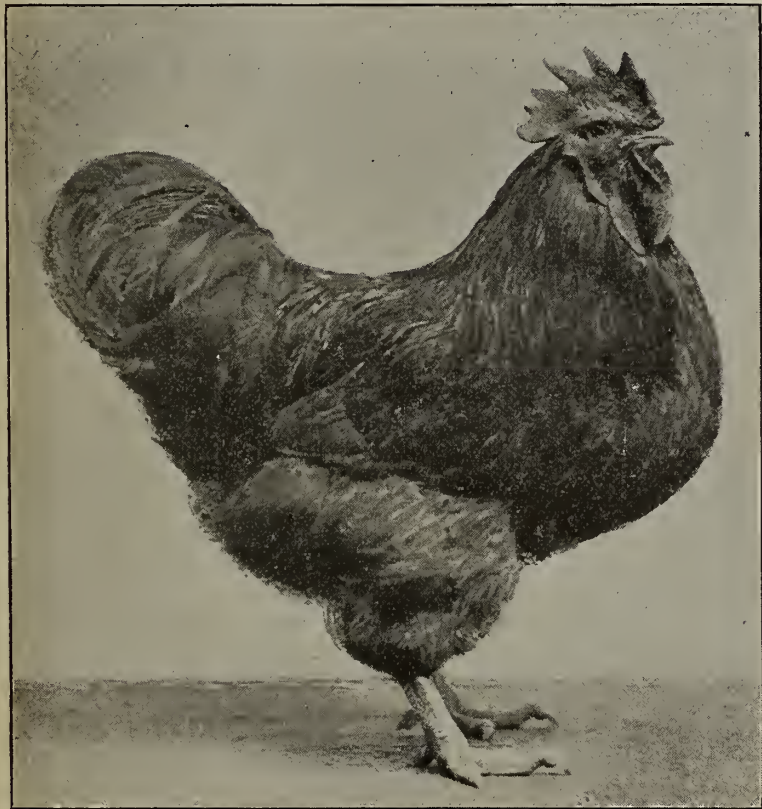
The only lady exhibitor there, I am modestly, yet gratefully prepared to say that every Southern breeder of Buff Orpingtons present manifested a deep and applauding interest in my winnings and showed me princely courtesy; and later, when the laurel passed by a great Northern breeder in favor of my birds, the felicitations rang high from the voices of youth and age.

This was not a personal joy; for the telegrams of breeders and men of various pursuits—from Tennessee to Florida

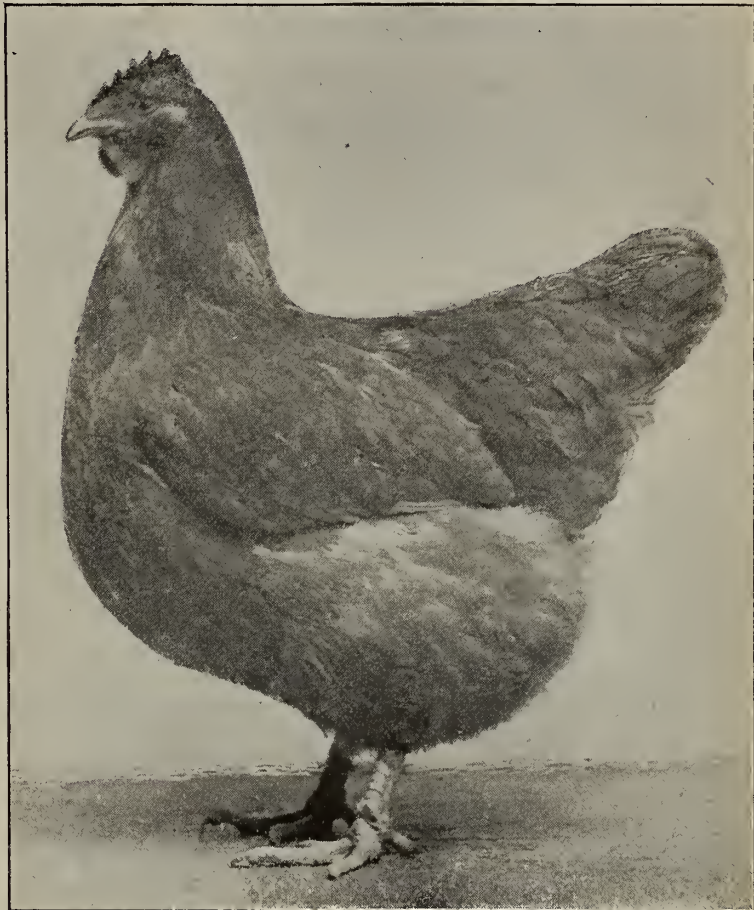
ination—for I speak from experience; and what one woman can do another may accomplish with time, energy and patience.

When I launched into my present profitable and interesting business, it was with but a vague notion of what would develop; until the suggestion, coming from a friend, that this work really was not in line with my capacity, revealed in my mind an ambition—heretofore latent—that I would elevate my fowls to a world basis. Any one, working with the whole heart, will find this business an organic part of all business, and of the general scheme of the universe. It has its little romance related to the great romance of mortal life. Think of it in this way and you'll learn to love and understand it better.

It is not small in scope—besides the whole of mankind either directly or indirectly, sells poultry for a living! So,



"Duke of Wellington" and "Lady Catherine Pakenham." Special silver cup for best cock and hen in class; also special badge for Lady Catherine for best hen in show, 3000 birds competing. Bred and owned by Mrs. S. C. Bridgewater, Dixon Springs, Tenn.



—were congratulations for the new glory which was dawning for the South.

The crying need is for more breeders of high-class birds in this wide, almost untouched section, where the demand for stock and eggs so far exceeds the supply. In this land of measureless breadth and shine, "where summer first unfolds her robes, and here the longest tarries," where fields and meadows are carpeted with green the entire year, thus supplying the natural succulent foods and insects, nourishing the birds, producing their eggs, and giving their young a better start at a minimum outlay.

We bring our fowls to perfection with less labor and expense than any other section on God's great footstool.

At that supreme moment, when one of the originators of the Buff Orpington fowl said of my birds: "They are the finest in America!" and Judge Ewald of Cincinnati, Ohio, of international fame as a poultry judge, said: "In my official capacity I have handled the best of this class, in Europe and America; but have seen none so good as these," the thought of self was submerged in exultation over the realized and demonstrated possibilities for every woman who desires pleasant, easy and profitable employment. Why should any woman in this present day, nurse her idleness, tire of her opulence or foster the griefs that may be hers, when a splendid opportunity for work, in a sphere suited to her physical strength is before her; yea, beckoning to her, and offering such remuneration that, from the profits, the home may be built and beautified, the youths of that home educated with the added (yet not least important) gratification of seeing countless others benefited? This is fact—neither myth nor imag-

up my Sister Woman! Answer roll call in this agreeable and lucrative work.

Put a Buff Orpington bird high upon his perch  
And hear his clear and happy crow,

Cheering crow!

What a world of happiness his voice does tell!  
Through the balmy air of night how he rings out his  
delight,

From the frilled and golden notes  
And all in tune.

What a merry crowing floats  
To the burnished hen, that, listens while she gloats  
On the moon!

O! from out the sounding coops  
What a gush of euphony voluminously whoops.  
How it swells!

How it dwells on the morrow!  
How it rends

All the hatches and the pens.  
Of the cackling and the laying  
Of the hens, hens, hens;  
Of the hens, hens, hens, hens,

Hens, hens, hens.  
Of the nesting and the sitting of the hens.

With a chaplet of olive leaves for  
Edgar Allen Poe.  
The tintinnabulations of whose pen  
Is heard even in the cackling of the hens.





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EDITORIAL PARAGRAPHS

THE HEN AND THE CENSUS

Our great American bird was once the war-like eagle; but now it is the more peaceful hen, and the approaching census is going to show her up in more brilliant colors than ever before. If corn is king, the hen is more than queen on the farm or in any place you put her. The day is past when the farmer considered the hen an insignificant factor in augmenting his profits. Ten years ago the general census credited poultry with contributing nearly eighty-seven million dollars to the total of our farm products and this year's census will increase these figures many fold.  
Every farmer and poultryman should see to it that his poultry interest gets full credit in the approaching census. Much depends upon it. Don't wait until the census taker enters your door before you begin to count up your poultry belongings and products for last year or for the present time as the case may be. Have it all made out, for we want to astonish the country with the truth about our poultry industry. Few people have any idea how extensive it is, for its full character has never been adequately set forth.  
Tennessee is not behind in poultry prosperity and enterprise. In East Tennessee especially, we have our two million dollar shipping points and poultry trains running to Washington, Philadelphia, New York, and other leading Eastern cities. We have already done much, but almost nothing in comparison with what we shall do. Much advancement has been made in the last few years in the way of organizing the poultry interests and starting exhibitions for the education of the people, but much more must yet be done. As a basis upon which to work, our poultry statistics must go into the present census in full force. Keep this in mind and don't let anyone forget it.

\* \* \* \*

MR. HICKS AND POULTRY CULTURE

The February number of *Poultry Culture*, published at Topeka, Kans., is before us. This paper is edited by Reese V. Hicks, former editor of THE HEN, who is well and favorably known to our readers. *Poultry Culture* has been greatly enlarged and improved under Mr. Hicks' able management. The current number contains forty-eight pages, size 10x15, and the quality of its reading matter is superb. We are glad to be able to congratulate Mr. Hicks on his much deserved success in the West.

\* \* \* \*

A GREAT AGRICULTURAL MONTHLY

The March number of *The Southern Planter* lies on our desk, 144 pages deep. There may be some Southern farmers—though they must be few in number and not very progressive—who do not realize that we have in the South a rural monthly containing so much that is of practical value to all persons engaged in farming or allied pursuits. *The Southern Planter* passed the experimental stage long ago, being now in its seventy-first year, and it should be in every farm home in a dozen or more states encompassed within the Southland. There is no better farm journal published.

\* \* \* \*

THE APPALACHIAN EXPOSITION

Since the early days of ancient Greece, it has been the custom to gather the masses of the people at some central point to witness great athletic games or to get inspiration from the exhibition of manufactures, or works of art, or superior products of agriculture. Such exhibitions cultivate a national spirit and educate the people to superior methods of production in a way that can not otherwise be attained.  
The Appalachian Exposition to be held at Knoxville from September 12th to October 12th is of this character. As its name indicates, it will represent the products of the great highland region of the South and surrounding territory. This is to be an interstate exposition and will contain an array of products never before witnessed in this country. It will be typical for the section represented and unique in character.  
Every producer in the South of whatever character should have his goods displayed, for he will never have a better opportunity to make their merits known. A blue ribbon from this show will be worth carrying home, for it will represent superiority over a vast extent of territory and give the possessor trade advantages for many years to come. No ambitious producer can afford to miss this great opportunity.  
One of the great features of the Appalachian Exposition



will be the poultry exhibit. Those in charge of this department are determined to spare no pains nor expense to make the poultry feature superior to anything ever seen in the South if not in the whole country. The South—the Appalachian territory—represents the finest poultry climate in



S. C. Buff Orpington. 1st pullet at Birmingham, Ala. Bred and exhibited by G. B. Moorhead, Lynchburg, Tenn.

America and East Tennessee is the center. Hence the finest birds of this country will be on exhibition.

The showing of poultry will not be the only feature of this great exhibition. The finest lecturers in the country on poultry subjects will conduct a Poultry Institute for the instruction of the people in poultry production. If you have any thought of taking up poultry culture, or are already in the business, you can not afford to miss the opportunity of being here and participating.

Every reader of THE INDUSTRIOUS HEN should decide at once to take in this grand exhibition. It will be no local fair or small-fry poultry show. It will embrace the best products of the entire South. The poultry exhibit itself would pay for a visit, but besides this you will see the live stock, the farm products, the manufactures, and the products of the mines, timber resources, and other things too numerous to mention.

To see Knoxville, the queen city of the mountains, and the beautiful scenery of this section will of itself pay those from a distance for the trip. Excursions may be made into the mountainous gorges "dripping with coolness" during the heated term, and to the noted mineral springs, or watering places and health resorts, which are numerous in this section. No more delightful and health-restoring trip could be devised by residents far South. Come early and stay two months and go home with new life and vigor as your ancestors did in ante-bellum days.

\* \* \* \*

#### POULTRY AT OUR STATE UNIVERSITY

In another article in this issue we have set forth the importance of an appropriation in every Southern State for the upbuilding of poultry interests. Here we desire to say a few words in favor of the State endowment of a poultry department in our State University at Knoxville. The University has already done some good in this line, but the effort has been crippled from lack of proper funds to carry on the work. The time has come when something definite and substantial ought to be done and we know of no more opportune time than in connection with the effort to secure funds to establish a State Poultry Board with a salaried secretary.

Poultry husbandry is one of the most important interests in our state. The last census showed more than six million chickens and guinea fowls in Tennessee. Their value was over two and a quarter million dollars. That of those raised the preceding year reached more than four and a quarter million dollars. The number of eggs produced in Tennessee in 1899 was nearly thirty-two million dozens. That was ten years ago and of course there has been a wonderful

increase since that time. Morristown, in East Tennessee, is said now to ship more than two million dollars worth of poultry every year. Poultry production on the farm is practically universal. It would be a rare chance indeed to find a farmer without a flock of poultry.

In view of these facts, the very great importance of a poultry department at our State Agricultural College is plainly apparent. Poultry institutes should also be conducted over the State for the instruction of the people in best methods of poultry culture, and a school of correspondence in poultry would also be a most important feature. Much of this work could be done in cooperation with the State Poultry Board provided for in another appropriation, or in the same, in a larger amount.

The poultry people and farmers of the State should organize for the purpose of carrying out this measure. The plan of organizing and pushing the work is fully set forth in the article elsewhere advocating an appropriation to establish a State Poultry Board. The two efforts ought to be carried along together. They both have in the end the same purpose, viz: the promotion of our great poultry interests. A number of States have large appropriations and there is no reason for Tennessee's lagging behind. Every other Southern State should carry out the same great work.

\* \* \* \*

#### PROFITABLE PRODUCTION

The question often asked, "Does the poultry business pay?" is indeed one that carries with it a great many doubts.

The only answer to this question is yes, emphatically, yes.

"Does every one that engages in the poultry business succeed?" No.

Many in asking the first question really have in mind the second, and thus get confused.

The poultry business is not a snap for everyone. It is a gigantic enterprise for people of common sense and ability, and these succeed.

To attain the highest profit, one must try to give his customers only the very best that can be produced. He must get his stock on the market early to get the highest price.



"Clarence," first cock in recent great Atlanta Show. This grand bird has to his credit three first prize ribbons, and is the sire of many prize winners, both in pullets and cockerels. Owned by John F. Childress, Sweetwater, Tenn.

He must have early pullets and get them started to laying early, and keep them at it.

Meat food and green food are indispensable and must be supplied to regulate the system and furnish the animal food necessary to heavy egg production.

In marketing products, neatness, absolute cleanliness, politeness, and reliability are the essentials upon which profitable production is based.—FOUNT H. RION, Brentwood, Tenn.



## POULTRY ON THE FARM


 WRITTEN FOR THE INDUSTRIOUS HEN  
BY AN OLD FARMER

## SHORT TALKS ON POULTRY

Standard poultry doesn't necessarily mean perfect birds. There are no perfect specimens. Very few go above 95 points. Fowls that score 85 points or more may properly be styled standard poultry.

Farmers don't put enough variety into their feeding. To do well, poultry must have something else than corn from one day to another, month after month. Sell some of the corn and buy other grain and meat scraps.

Feeding a variety doesn't mean many kinds of food at one time. Changes should be made at different periods. One kind of feed may be given in the morning and a different one at noon or night.

The farm dairy and poultry run well together. Skim milk makes one of the best chicken feeds. Both products can also be very handily marketed from the same wagon.

You can't get many eggs on scant feed. The hen must have enough nourishment to supply the waste to her system before there can be anything extra for eggs.

## WHAT GRANDMA SAYS

Why don't farmers raise geese? a lady asks me. You goose, how can I tell? Because they don't want to, I suppose. Yet a pound of goose costs no more to make than a pound of pork but sells for twice as much.

Come to think of it, did you ever see a sick goose? I never did, but sick hogs are common as chips. What advantage, then, has the hog over the goose as a money-making proposition.

Some farmers say the goose is an unpleasant individual to have around the barn. Then why not make a goose lot to keep her in? Geese can live on grass at very little cost.

Most farmers are like sheep. They are obliged to have a leader in front before they can do anything. I'll venture that if I started a goose farm and made a success of it, as I could, a dozen farmers around me would be at the same thing in less than three years.

I know a little town near me where the farmers could make a fortune shipping poultry and fruit if they only knew how to start the business. It would pay them to hire an expert to come and start it for them.

Talking about geese, I am told that the Jews are great goose eaters. Now all I have to say is that if they will send me word just how many they want I will see what can be done to supply them.

## WISE WORDS BY UNCLE BEN

What this country needs is more poultry keepers. The call is not for large establishments, but for good-sized flocks of pure bred fowls on every farm. The general farmer is the man who ought to make money out of poultry.

Did you catch the point? Well, then, get from twenty-five to one hundred pure-bred hens and make a start. You may start with a rooster and five hens and build up if you prefer. But whatever you do, don't mix breeds. Keep them pure if you want to do any good.

I wouldn't exclude the city man with a back lot and no other use for it. He may as well keep ten good hens as not. They will occupy his time and bring him lots of good eggs if properly managed.

The man or woman with a large spare lot in the village may also come into the proposition. He can keep a hundred hens as well as not. Around New York many an acre or even a half acre contains its 50 to 250 hens that produce from 500 to 1,000 chickens every year and no telling how many eggs besides.

Of all men, the Southern farmer should keep poultry. He has the climate and everything else to suit. He may easily have eggs all winter in the milder sections. The New England farmer could not square accounts at the year's end without poultry and his opportunity is nothing like so good as ours.

## BREEDING ON THE FARM

It is not inbreeding that causes your fowls to "run out," but lack of care to select the strongest, most vigorous, healthiest, and fittest for mating. Use a weak, undersized bird and of course your stock will run out.

The farm poultryman has usually very poor and incorrect ideas about breeding. He jumbles everything together and is constantly introducing new males to recover his flock from its rundown condition.

The proper policy of breeding to pursue is never to allow the mating of inferior stock. All such stock should be killed or sold off. Mate only the healthy, the vigorous, and those that grade high in the line of improvement which you desire.

It is very bad policy to doctor up the sick and weak individuals of your flock and then allow them to propagate their kind. Better kill them and give them to the hawks and the owls. Mate none but the most perfect in every respect.

If you want a flock of laying hens breed from none but the best layers. If you want a heavy meat-producing flock, breed from the big, the strong, and the vigorous. If you want perfect form and color, breed only from specimens of that type.

## POULTRY POINTERS

Statistics tell something but they do not tell everything. The facts which they record often vary at different places and with different circumstances.

In beginning the poultry business you don't want to adopt too many theories without investigation. It is important to get down to solid facts as soon as possible.

Why is an odd number of eggs placed under a sitting hen? The number is usually 13 or 15 under a hen or 9 duck eggs or 5 goose eggs. The reason among the ancient Egyptians was that an odd number kept evil spirits from injuring the eggs.

Farmers would make more out of poultry if they kept more hens and those of a more profitable kind. They also keep too many that have passed the profitable age, which is two years. The old ones should be constantly sent to the market and young ones brought up to take their places.

In old times but few eggs were sold in the summer months because it did not pay. Now no more welcome person visits the city than the farmer with fresh eggs. No fears but that your eggs will sell this summer.

Six hundred White Leghorn hens will give you an income of \$600 a year after all expenses have been paid out of the sale of eggs alone, and at ordinary market prices. This has been easily done and the profits may be increased by raising fryers and broilers.

Miller Purvis tells of a farmer's daughter who had finished her education and proposed to divide profits with her father if he would set her up in the poultry business. At the year's end she shared a little more than \$700 with him. Then the farmer wondered why he had not done it himself.

## KNOWLEDGE OF POULTRY

There is nothing the matter with poultry except that so few people have a good knowledge of the business. If asked how many eggs a hen should lay in a year, how many farmers could tell? If they don't know what she should do, how can they tell when they are getting the best work out of her? How many farmers know the age at which hens lay the most eggs? Very few, we feel sure, have any certain knowledge. How, then, will the flock be kept at its best working capacity? How many people who have poultry know that the average common hen lays only 64 eggs a year, while the well kept, pure-bred hen will lay 120 or more? And yet many farmers seem to keep scrub hens by preference. Why do they do it? Because they don't know any better. There are a great many things about the poultry business concerning which the masses of the people are ignorant. And yet millions of dollars are made every year from poultry! Can you imagine what would be made if everybody knew the business thoroughly and practiced it accordingly?



## HATCHING CHICKS BY THE NATURAL METHOD

I suppose you know how to set a hen. If you do, that is good. Of course there are some of you that don't, so I will tell you. First, have the sitting-house cool and free from vermin. Arrange the nest so that no two will appear alike, then each hen will know her nest. Make the nest about fourteen inches square, with a four-inch board across the front. Fill the nest two inches deep with moist (not wet) loam. Then shape it into a nest and cover over with about an inch of hay or excelsior.

Choose a hen that is a quiet sitter, and after dark, transfer her to the new nest and give her a dusting with insect powder. Let her sit on a china egg till the next evening,



FIRST PRIZE S-GRED CK'R'L. PITTSBURG 1909  
BRED AND OWNED BY  
OSCAR E. MILES COLUMBUS OHIO.

\$100.00 has been twice refused for this male.

then if she is a good sitter pull her off and feed her. While she is off place the eggs, after being washed, under her; thirteen if she is a small hen and fifteen if she is a large one. Take her off regularly every afternoon and feed her until the 19th day, when she should not be bothered until the hatch is finished. The chicks should be transferred to a light, airy coop to await their first meal which should be given when they are about forty or fifty hours old. If this method of setting a hen is followed, it is not your fault if you don't get a good hatch.—F. W. KINSEY, Rossville, Ga.

## QUERIES FROM PIKEVILLE

A subscriber at Pikeville, Tenn., has two and a half acres of land that he thinks will be ideal for poultry and he wants to know so many things about the business that we advise him to write for a copy of "The Southern Poultry Guide," by Cal Husselman. This is a plain practical work and will answer most or all of your questions.

How many hens can you keep on your two and a half acres? That all depends upon your circumstances and need not give you concern at first, for you should begin with a small flock. Start with 40 or 50 hens, or even a half dozen, and increase the number as your knowledge and experience increases. Study your poultry books and papers closely and get all the daily experience that you can.

What breed? Whatever suits your purpose. Brown Leghorns are fine for eggs, but White Leghorns may possibly be a little better. There are other first-class egg producers. Success does not depend upon any one breed, but rather upon how they are managed.

Will it pay to raise breeding fowls for selling in this part of the country? Yes; if you know the business and push it for all it is worth. An enterprising breeder makes a market. What breed? The best pure breed that is most popular in your territory, for they will be in most demand and you can sell most of that kind.

How many hens can be profitably kept in one pen? Few

or many according to circumstances and needs. We suppose breeding pen is meant. Otherwise hens do better with as much range as you can give. They are to be confined only for some special purpose. If but few eggs are wanted a pen of four to six hens will answer.

For other information we refer our correspondent to the poultry guide recommended in a preceding paragraph.

## LIKE BEGETS LIKE

"Like begets like" is a law of nature that is applicable to the breeding of poultry as well as anything else. If you breed from fowls that are strong and vigorous, you will get chicks that will have the vigor and vitality to carry them to maturity with very little trouble and a small per cent. of loss. If you breed from stock that shows any defects or that lack vitality and vigor, you must at least expect part of your chicks to have the same defects. Remember, "like begets like." So start the poultry business with only the best. Better start with a trio of hardy, vigorous fowls that are up to the standard than to have 50 fowls that are not bred right or that lack vigor and vitality. The success of the poultry business depends on pleasing your customers. This you cannot do unless you can furnish stock and eggs of high quality. The demand for high-class line and pedigree-bred poultry of all the leading varieties is now and has always been far beyond the supply, thus proving the necessity of breeding the best. It is not necessary to pay unreasonable prices for your stock and eggs, as there are plenty of reliable breeders that ask only an honest price. It is not advisable to buy stock or eggs from too many breeders, as one may breed for feathers and show room alone while another may be breeding for something else. Utility must not be overlooked, for some breeders do overlook this in producing show birds. Many ask what breed is best to begin with. My advise is to get the breed you can handle best as a side line, with your surroundings. Get the experience, and then you may follow it alone as a business. I have found the Light Brahmas and Rose Comb Rhode Island Reds more profitable than any other breeds. The Light Brahma is without exception a favorite with poultrymen, even with those who do not breed them. They are often referred to as "the aristocrats of the poultry yard." In size they are the largest of domestic fowls, and with their proud, stately carriage, they are very attractive. They are great favorites as "soft roasters" and the mature fowls are very large, weighing from 8 to 14 pounds. They are excellent layers and stand confinement better than any other breed. In the show room they attract the attention of all who see them.

The Rhode Island Reds are a general purpose breed that are gaining favor very fast, both on the farms and in the



S. C. White Leghorn pullet. The ideal type, as bred by A. P. Ryland, "the chicken man," Pine Bluff, Ark., the man whose sole business is chicken raising.

show room. They are excellent layers, large in size, best of broilers at an early age and pullets mature and begin laying very early. They are very hardy, being able to stand the heat and extreme cold of any climate. I am breeding some pens of both breeds. I have birds in my pens that score from 90 to 95 points. I think line breeding the best as you can keep your stock bred up to the Standard of the show room, and at the same time, keep the good shape, color and laying qualities in your flocks; but I do not advise breeding too closely. Better buy cocks for the first three or four years; then use trap nests for your line breeding.—M. R. YELTON, Bradford, Ky.



## MONOPOLY---NOT FOR THE POULTRY BUSINESS

WRITTEN FOR THE INDUSTRIOUS HEN BY FOUNT H. RION, BRENTWOOD, TENN.

FOR many years it has been boasted by poultrymen that they were engaged in a business that could not be monopolized by trusts, combinations or corporations, but it now takes only a slight foresight to clearly observe the shrewdness of certain interests in seeking to obtain a death grip on this branch of industry, as well as others.

The poultryman has a good chance to steer clear of such a calamity, if he keeps his ears and eyes open, and properly holds his ground.

The poultry and egg business is no business to be monopolized. The buying public are anxiously longing for release from the cold-storage and miscellaneous commission-house eggs. They are clamoring to pay a premium above market price for strictly fresh, guaranteed eggs delivered to them daily.

It was very recently we noticed an advertisement in a daily paper of a nearby city. A man advertising for strictly fresh eggs delivered daily, offering to pay 50c per dozen for same, and wanted one dozen per day.

Bear in mind this is only one instance. There are hundreds in this same city who would do likewise and there are hundreds of thousands in other cities who would be willing to pay any reasonable amount for strictly fresh eggs.

With such enormous opportunities as these, what excuse could any poultryman offer for allowing himself to become trapped into any scheme, which, when completely sifted through and worked out, will only show the appalling results, such as shown by the results of other combines, monopolies, etc.; namely, financial and political greed and satisfaction of the few controlling the monopoly, and the disappointment and utter failure of the common masses. Such

a combination in the poultry industry would be a blow never to be recovered from.

Monopolies in other lines of business have shown the broad-minded citizens of today that some change, some relief, must be brought about for the protection of future generations.

The poultry business is not a mere toy to be trifled with. It is now nearly the most enormous industry in the world. It is not merely for this generation, for at present it is in its infancy. With the enormous development of our country necessarily comes an enormous call for food. The trusts now controlling the meat markets, have placed meat at prices almost out of reach of the common classes of people. Consequently they turn to eggs to supply this need.

At from 25c to 35c per dozen, a fair profit can be realized from egg farming, either on a large or small scale. When eggs reach 50c to 60c per dozen they are then refused by the masses, who cannot afford to pay such prices, and the demand necessarily diminishes. Should the prices remain within the reach of the masses, the demand will be greatly increased and egg farming by individuals will be profitable.

A direct trade is urged. Do not sell your eggs wholesale or to traders unless you have no other market available. Either put your products *strictly fresh*, direct into the hands of the consumer or direct to the retail dealer who will deliver them fresh to his consumers.

It stands every poultryman well in hand to be ever on his guard. Be alert to the cunning of promoters of any monopoly of the poultry business, that not only we who are at present engaged in this work be kept free from the coils of this venomous reptile but the generations to follow us.

## THE 200 EGG BREED A POSITIVE FACT

WRITTEN FOR THE INDUSTRIOUS HEN BY CLAYTON I. BALLARD, MORRISTOWN, TENN.

I KNOW that the 200-egg-a-year breed has been doubted exist. Neither did the flying machine, wireless telegraphy by a great many; and by others it has been said not to or the talking machine exist fifty years ago. How about our scrub cattle, mustang horses, razor back hogs of fifty or seventy-five years ago? Have they been improved? Any farmer or stock dealer will tell you they have. Then why not domestic poultry? I herewith give a sworn egg-record of six Indian Runner ducks, during one year, something I know to be positive:

STATE OF TENNESSEE.

COUNTY OF HAMBLEN.

Clayton I. Ballard, proprietor Nola Chucky Poultry Farm, Morristown, Tenn., being first duly sworn, certifies that six Indian Runner Ducks laid from January 1st, 1909 to January 1st, 1910, 1351 eggs as follows: January, 119; February, 149; March, 177; April, 163; May, 168; June, 111; July, 70; August, 109; September, 93; October, 94; November, 63; December, 35. A total of 1351, an average of over 225 eggs each in twelve months.

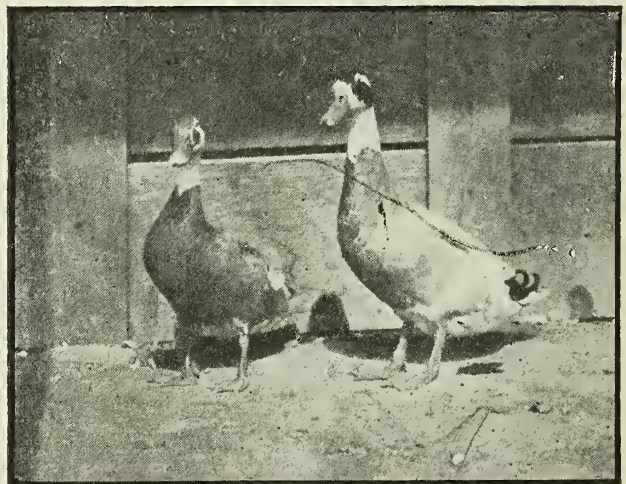
(Signed) CLAYTON I. BALLARD.

Subscribed and sworn to this the 21st day of January, 1910.

T. J. HALE, Notary Public.

The six ducks were six months old when they commenced laying, the 26th of December, 1908. These six ducks have never been housed since six week of age. They were confined in a yard at night without shelter of any kind, winter or summer. During the month of June they were confined both day and night in a pen 12x45 feet. The other eleven months they were given free range during the day, but confined in this same pen at night in order to gather the eggs. A grand total of 1351 eggs was taken from this yard from January 1, 1909 to January 1, 1910. Several times I found eggs in the creek where the ducks ranged, but never made any record of them; that is, I didn't give the six ducks any credit for same, although I had only these six ducks and no one else had any others near us to lay where my ducks ranged. They were fed on corn meal, wheat bran, and middlings, one third each; added to this and fed as a wet mash, 8 per cent. Darling's beef scraps. This feed was fed

to the ducks night and morning. No feed at noon except when they were confined both day and night during the month of June. Cost of feed consumed: corn meal averaged 75 cents per bushel; bran and middlings, \$1.50 per 100 pounds;



Indian Runner Ducks. Bred by Clayton I. Ballard, Nola Chucky Poultry Farm, Morristown, Tenn.

Darling's beef scraps, \$3.25 per 100 pounds. No grit or oyster shells were fed. Eggs laid 1351 or 112 7-12 dozen at an average of 25 cents per dozen would amount to \$28.14; or \$4.69 per duck; less \$1.27 for feed, making a net profit of \$3.42 for each duck in one year at market price for eggs. Weight of eggs, one-third greater than large hen eggs. From this pen we hatched 162 ducklings, raised 160: a loss of two by accident. Ducks hatched April 15 laid their first eggs September 23, age 5 months and 8 days. The ducklings are free from disease—no lice, mites, gapes or white diarrhoea. Dampness or dews do not have any bad effects. A duck hatched is a duck raised, if you give feed and attention. The old ducks have no lice, scaly legs, roup or colds. No frosted combs or flying over fences. A two-foot fence will confine



them. No costly houses, scratching sheds or dust baths to bother with. Color of plumage, dark fawn and white. Very erect in form, swift on foot, hence their name, as they are a native of India. The light fawn and white, I find, are poor layers as compared with the dark fawn. Indian Runners, as they are bred in the Oriental countries, are very dark fawn and white. Female, dark fawn and white; male, lighter fawn, or gray and white. Cheek markings and tail a much darker shade than other parts of plumage. Average weight, drake, 4 pounds; duck, 3½ pounds. The light fawn and even shade throughout the cheek and tail of the drakes as found in the exhibition strains of the United States, undoubtedly have had Pekin blood introduced, as all the ducks coming under my observation in India showed nothing of the kind. In fact they cannot be found in their native country in the light fawn and white. As egg producers, the Indian Runners, in their native country, are ahead of anything here. They are said to average 250 eggs each. As foragers, they are ahead of any kind of poultry. If given their liberty they will pick up their living during the summer months. They are non-sitters, are of a very quiet disposition, not quarrelsome nor pugnacious. The eggs run more fertile than other duck eggs, and hatch well. We often get ten ducklings from twelve eggs. I am not giving this to the press as an advertising scheme, but a plain statement of facts as I have found them in regard to Indian Runner ducks, the greatest layers of any breed.

#### POULTRY FOR PLEASURE AND PROFIT

Not many years ago, it would have been a hard matter for a person to find very many who raised poultry for pleasure. People in general, those days, looked upon poultry as a part of the good woman's work. For profit, the ladies got just what the poultry were inclined to produce—no pains as to feeding, housing, and the like, being given them. Eggs and poultry meat those days were to be found in great quantities everywhere. Often, farmers would take a basket of eggs to market for the good wife, and be compelled to leave it, depending on the merchant selling the eggs during the next week for from 6 to 8 cents a dozen. But today, all is different. A man or woman who can breed poultry intelligently is looked upon as a business man or woman, and the by-products of the business are eagerly sought after at about any reasonable price the producer wishes to ask.

For pleasure, perhaps, you will find as many people keeping poultry today as those following any other pleasurable pursuit; and for profit everybody seems to be keeping them. You can find a flock of them in almost any back yard, and many of the "pure blooded" kind, too.

There are several branches of poultry raising which afford much pleasure, i. e., getting eggs, show birds, shipping breeding stock, eggs for hatching, and last but not least raising the "sweet little baby chicks." Where can a man find

anything more painstaking? Where can he find animal life more enticing? The pleasures and profits derived from poultry care are such as will bring into action more important matters. A man cannot afford to laugh at the occupation to-



**PERFECTION 3<sup>RD</sup>**  
VALUED AT \$100.00

**FED  
BRED  
HATCHED  
AND  
REARED  
RIGHT**

**THE WORLD'S BEST  
LAYER'S  
AND WINNERS**

**~PERFECTION III~**

**BEAT HIM FOR STANDARD SHOW QUALITY  
THERE'S NONE BETTER**

**Sired By PERFECTION**

**FIRST PRIZE COCKEREL-WORLD'S FAIR  
JAMESTOWN EXHIBITION '07  
BRED, OWNED AND EXHIBITED BY  
WILBER BROS., CLEVELAND, TENN.  
"THE QUALITY LEGHORN MEN"**

day, for if he does, he only laughs alone. People have learned that it takes as much skill to raise good chickens and to produce an abundance of eggs as it does to do anything else one might take up. And for art, nothing will surpass, if equal, the breeding of show specimens.

In making a start in this occupation by all means get good stock to start with.—J. A. THORNHILL, Hartsells, Ala.

## Do You Love a Dog?

Well, we have eight as pretty thoroughbred Scotch Collie pups as you ever saw. They are of our very best breeding; fancy stock; three are black and white, and five are sable and white; five males and three females. They are beautifully marked with large white collars, feet and tip of tail white, with a blaze of white in the face, all subject to registration. Any one of these pups will make a prize winner and will please the most fastidious. They are large, healthy and as playful as kittens. Collies are splendid for minding chickens, driving cows or as guard dogs. They are kind and gentle, and love children and children love them. There is nothing finer than a beautifully marked Collie. We are booking orders now and will ship about April 15. Females, \$15; males, \$25 to \$35. We have three other males not so evenly marked, but thoroughbred, three months old, for \$12. Can ship now. Satisfaction guaranteed or money refunded.

KNOX COLLIE KENNELS, Knoxville, Tenn.



### WILSON'S SINGLE COMB BROWN LEGHORN

Eggs \$2.00 per 15

**A. C. WILSON**  
Box 75, LITHONIA, GA.

## PATTERSON'S WHITE ROCKS ARE WINNERS

The grandest utility bird on record today, and as to their fancy quality, our recent winnings at the great Atlanta Poultry Show demonstrates all we claim. All our winners, including our first prize cockerel, will be kept in our breeding yards throughout the hatching season. Eggs \$3.00 per 15; \$5.00 for 30.

**PATTERSON FARM, Fitzgerald, Ga.**  
J. P. PATTERSON, Prop.

## H O U D A N S

Winners of thirty-one ribbons at Tenn. State Fair, Lebanon, and Knoxville this season. Bred from winners at Madison Square Garden, Chicago, Boston, Indianapolis, St. Louis, etc. From famous egg strains. Eggs, \$3 per setting from prize birds. Also a few prize cocks and cockerels for sale.

**DR. J. T. LEEPER, Lenoir City, Tenn.**



## TURKEY TALK

Address all Inquiries to  
MRS. J. C. SHOFNER, MULBERRY, TENN.

### Laying Season for Turkeys

Spring time is naturally the egg season with all of the feathered tribe, and it is supposed, by now, all thoroughbred breeders have their breeding stock selected, mated and penned ready to fill orders already booked, with fresh fertile eggs, marked as they are gathered from each pen, that no mistake be made when packing time comes. Probably it would interest some more inexperienced people, to tell how we manage to get every egg our turkeys lay, as in time past, breeders of the Mammoth Bronze variety thought they had so much of the natural wild blood in them that they could not successfully be confined as other fowls; but I use a pen of about one to two acres, with some kind of green stuff, and around edges throw brush or make nests in old barrels or boxes with some nice clean straw in it that the turkey may have something to cover eggs. I like anything that imitates natural woods, as 'tis their nature to nest in secluded places. I want my pens away from where there is a great deal of passing, espe-

cially of dogs and strangers. Turkeys soon learn not to care for their feeder, and recognize strangers very readily. I usually keep two pens but do not want them side by side with just a fence between them, as the toms are much more liable to fight in confinement than when running together, consequently the eggs of neither pen are likely to be so fertile as if separated farther. I like as large pens as one can afford to build, and when wired in with high wire fence, that dogs cannot get into, we can afford to risk our turkey eggs under the hen just where she laid them, without the trouble of removing her to safe quarters. And when hatching time comes she is less liable to get nervous and break her eggs.

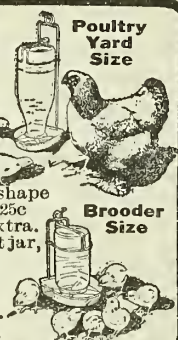
One great advantage of penning turkeys is that we ward off the neighborhood intruders, like dogs, crows or cats. I have known crows to sit over the turkey hen until she left the nest or get down by her and fight her off the nest to get eggs, and when they are under our observation we may chance to shoot

the intruder or poison it with a little strychnine. Now I must speak of shipping turkey eggs. The question has been asked me a great many times, Can turkey eggs be shipped successfully, and what per cent. do they usually hatch? As a rule, turkey eggs are more fertile than chicken eggs, and if one egg of a turkey hen is fertile, all of that litter of eggs are fertile, and if properly cared for, before putting in incubator, they should hatch 95 per cent., and many times every egg hatches. When shipping eggs of any kind, the freshest should be selected to insure a good hatch. There is great complaint of the care expressmen take of eggs for hatching. I am aware of the fact they get pretty rough treatment, but we must pack in good strong baskets and wrap each egg separate, and even if one gets broken it will not run out over the others. But I rarely have any complaint, because I pack securely and have egg labels on top of basket—"Handle with care. Eggs for hatching," and then if any eggs are broken in the hands of the express company, they are responsible for it, and if purchaser will examine the eggs in the presence of the agent they will pay him for all damages done.—MRS. J. C. SHOFNER.

**Chamberlain's Perfect Chick Feed**  
TRADE MARK  
The Only Original Dry Baby Chick Feed  
For Sale by:  
Otto Schwill & Co., Memphis, Tenn.  
Louis Levy Gro. Co., Baton Rouge, La.  
J. Steckler Seed Co., New Orleans, La.  
J. H. Stevens & Son, Columbus, Miss.  
The Food to raise Prize Winners  
**W. F. Chamberlain Feed Co. St. Louis**

### DAVIS FOUNTS LIFE SAVERS

For young chicks. Keeps constant supply of clean, fresh water. Easily cleaned and filled. Best chick server made for either water or grit, grain, oysters, etc. Holds any size or shape ordinary glass bottle or can. Price 25c each; \$2.70 a dozen; postage 15c extra. Brooder size holds pint Mason fruit jar, 20c each; \$2.25 a doz.; postage 10c each extra. No bottles or cans included. Catalogue FREE.  
**THE KEYES-DAVIS CO., Ltd., Mfrs.**  
Dept. 520 Battle Creek, Mich.



### S. C. RHODE ISLAND REDS EXCLUSIVELY

If you want fine Red birds from first prize winners, Knoxville, 1910, Show, get your eggs—\$1.00, \$2.00, \$3.00 per 15—from **WILL MONDAY**. R. 10, Knoxville, Tenn.



**S. C. White Minorcas**  
Eggs \$1.50 per 15

My birds won at Knoxville, 2 egl; 1, 2, 3, 4 hen; 1 pen.

Write Your Wants to

**W. B. IRWIN**  
MARYVILLE, TENNESSEE

### 18 Years Breeder Of Thoroughbred Poultry

15 B. P. Rock Eggs ..... \$2.00  
15 R. C. Black Minorca Eggs ..... 2.00  
15 S. C. ..... 2.00  
15 Blue Andalusian Eggs ..... 2.00  
30 eggs for \$3.50.

**GEO. A. PHILLIPS**, Easton, Talbot County, Md

## Columbian Wyandottes

—AND—

## S. C. Brown Leghorns

That won at St. Louis, Dec., '09, the biggest poultry show ever held. Send for free circular and full list of winnings at Memphis, Augusta and Shreveport. Our stock is mated for results. Choice breeders and eggs at reasonable prices. Satisfaction guaranteed with every order.

### STURTEVANT BROS. Box 12, KUSHLA, ALABAMA

**CALLAHAN'S CHAMPION  
RHODE ISLAND REDS  
RED FLAME STRAIN**

**RED**

"None better in the whole South." Prize-Winners everywhere shown. We breed for Shape, that rich red surface and under-color. Eggs and stock for sale. Send 2c for catalogue.  
**CALLAHAN & SON, EAST POINT, GA.**



## For Sale----Mammoth Bronze Turkey Eggs

The best is not too good for you; then while you are getting eggs, buy of largest and finest stock. I have two pens this season, 1910. No. 1 consists of ten large hens and pullets scoring 95 to 97 points, mated to "Billie Taft" a 36 lb. cockerel, score 97 points. No. 2 is headed by "Monster", a 50 lb. tom, 19 months old, with eight large hens and pullets, scoring 94 to 97 points. 1st prize hen and pullet at Alabama State Fair 1909, in this pen. Eggs from Pen No. 1 at \$6.00 per 9, and from Pen No. 2 at \$10.00 per dozen. Barred Plymouth Rock chicken eggs from best prize winning blood \$2.00 per 15. Address

**BOONEVILLE POULTRY YARDS, MRS. J. C. SHOFNER, R. 1, Mulberry, Tenn.**



## HONEY BEE

T. C. KARNs

## Bee Notes

*Written for The Industrious Hen:*

It is now time to look closely after your bees and get them ready for the fruit bloom. You want every colony to be as strong as possible for busy work.

If you haven't ordered necessary supplies, do so at once. Dealers generally give a per cent. off for early orders. Anyway, you don't want to be caught napping when supers should go on or when new swarms come out.

Before making your order go over old stock carefully and see that you leave out nothing. It will cause trouble and be more expensive to have to order a second time.

Examine for weak colonies. Some may have to be fed to keep them alive. Perhaps all should be fed more or less to give an increase of workers for the first spring flow.

It is very easy to neglect your bees early in the season until you have a bad condition of spring dwindling, and lose several colonies. Your first warning will be excess of dead bees in front of the hives.

## Beginning With Bees

It is now a good time to think of taking up bee culture. There is no better time in the year to begin the business than in the spring. Your colonies will have plenty of time to get a good start in their new home and put up plenty of stores for winter.

Don't undertake too much on the start. Two or three hives are a plenty until you get more experience. As you learn the right methods of work you can increase your business. If you are not going to become a specialist in bee-keeping natural swarms perhaps give all the increase you will need.

The ordinary beekeeper should get 10-frame dovetail hives. They have greater capacity and require less attention. The broodchamber will also contain more stores for winter so that the bees will be in less danger of suffering for food in winter.

Never buy but one kind of hive so that the parts may always be interchangeable. Different sizes and patterns cause constant trouble. Get the standard hive used by leading beekeepers everywhere and let local patents and traveling agents severely alone.

Before you begin, procure a beekeepers' manual and subscribe for one of the leading bee journals of this country. Study these thoroughly, especially the manual and try to understand at once every part of the work.

## Plant's Winnings at Atlanta

We are in receipt of a communication from R. H. Plant, Jr., of Macon, Ga., in which he says: "In your report of the Atlanta show you gave me 2nd hen on White Wyandottes, when I won 2nd pen on S. C. Rhode Island Reds. My winnings were 4th pen and special for best-shaped pullet. I had only one pen of Wyandottes and one pen of Reds entered—no single birds." We gladly make the above correction in reference to Mr. Plant, who is one of the South's most progressive breeders.



Southern Vice-President American S. C. Brown Leghorn Club

## BETTER HURRY UP

And get your order placed for shipment, if you want eggs for hatching from my "BROWN BEAUTIES" this season at

## HALF PRICE

Orders came from (9) states last month, mostly from old breeders. Eggs \$3.00 sitting or (2) sittings \$5.00—regular price \$5.00 sitting—order today—none better.

J. H. HENDERSON, Knoxville, Tenn.

## Choice Poultry Yards

*S. C. White and Brown Leghorns, White Wyandottes, Rose and S. C. Rhode Island Reds, Buff Plymouth Rocks, S. C. Buff Orpingtons and Silver Spangled Hamburgs win wherever exhibited.*

Were awarded six 1st prizes, seven 2nds, five 3rds and one 4th prize at Knoxville, Tenn., 1910, Show, and were awarded The Industrious Hen \$25 Silver Loving Cup for the highest scoring pen in the show, all classes competing; also the Association's \$20 Silver Cup for the highest scoring pen of White Leghorns, and many other specials and club ribbons. Our birds won in every class at Asheville, N. C., 1908 and 1909, Shows. Our breeding yards are composed of PRIZE WINNERS only. Some stock for sale. Eggs, either kind, \$1.50 for 15. *Satisfaction guaranteed or money refunded.* Reference, Bank of Waynesville.

J. P. SWIFT &amp; SON,

WAYNESVILLE, N. C.

## JOHNSON'S CHAMPION WHITE WYANDOTTES

See cut (in this issue) of our grand cockerel, winner of three prizes at the great St. Louis Show, December, 1909. Eggs from five grand pens. Write for mating list.

W. E. JOHNSON &amp; SON,

Box A,

LEXINGTON, KY.

## WHITE WYANDOTTES

STRONG—VIGOROUS—HEALTHY—FARM RAISED

Some very choice stock for sale. Eggs for hatching. Very heavy layers.

WOODMERE FARM

FOUNT H. RION

BRENTWOOD, TENN.



Single Comb Buff Orpington Cock. Winner of first prize, also special, best cock in Atlanta Show January, 1910. Owned by H. E. Chapman, Inman, S. C.



# CYPHERS INCUBATORS and BROODERS

## Recommended by Experts; Guaranteed by Makers

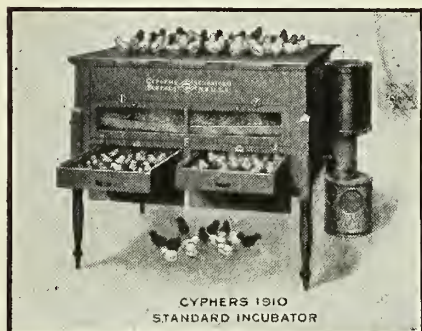
You may be a Fancier; you may be an Egg-Farmer; you may be a Market-Poultryman; you may be a Duck-Grower; you may be all of these; but one thing sure: if you are successful you don't choose an Incubator just because it is low-priced.

## Do You Want Low-Priced Incubators Or Incubators Built To Hatch?--Which?

You know that to make money in the poultry business, you have to assure yourself: (1) That your Incubator shall hatch strong, healthy, vigorous chicks. (2) That your Incubator shall hatch a large percentage of the eggs put into it. (3) That your Incubator shall do this every hatch; not only "once upon a time." Get a machine that is guaranteed by experts. An Incubator built to hatch will always hatch. Cyphers Incubators and Brooders are used by more Experiment Stations; on more big plants; and by more fanciers than all other makes combined.

## Why Hatch Strong Healthy Chicks, Then Kill Them In Poor Brooders?

You know that to raise chicks quickly, healthfully, profitably and numerous, you must have: (1) A Brooder that will heat up to 90 or 100 degrees when the chicks are put in. (2) A Brooder built to hold the temperature steadily at the desired height. (3) A Brooder that is self-ventilating, free from fumes, and built to economize labor. A Brooder built to Brood will always Brood.



CYPHERS 1910  
STANDARD INCUBATOR

Our big 160 page illustrated catalogue tells you how to hatch; how to brood; how to save and how to make money in the poultry business. It contains five long chapters telling how it is done on Cyphers big 50 acre Poultry Farm. It contains illustrations of Experiment Station poultry houses; America's biggest poultry and duck plants; a large number of photographs of leading poultry-men and poultry-women, their birds and yards; and fully illustrated descriptions of how our Incubators and Brooders are made. This Big Book is FREE. Send your name and

Address Office Nearest To You.

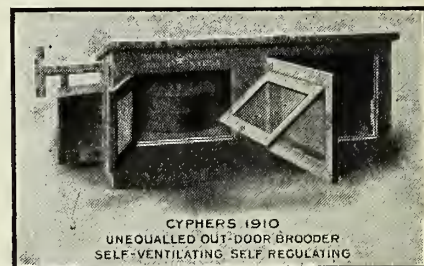
## Cyphers Incubator Company

DEPARTMENT, 13

Buffalo, N. Y.  
Chicago, Ill.

New York, N. Y.  
Boston, Mass.

Kansas City, Mo.  
Oakland, Cal.



CYPHERS 1910  
UNEQUALLED OUT-DOOR BROODER  
SELF-VENTILATING SELF REGULATING

### Going Ahead in The South

The South has long been recognized as being strong on early hatched chicks and competing at the early shows. In most every Southern poultry journal there is a lot of matter telling about the advantages of the South as a poultry growing section. What is wanted are more good breeders in the South and the good shows that are being held there in the best cities are making more and more of the right class of recruits. The Southern climate is something great when it comes to raising finished chickens, as the poultry show of the Jamestown Exposition showed. We heard numerous breeders who visited the show as well as judges say that some of the best birds they ever saw came from the South.

Nothing will do more for the poultry business in any section than the careful building up of good shows. They are the life of the fancy and do as much as all other forces to bring about sales and draw beginners to the ranks. Let any small community drop its show for a season or two and the result is that the pure-bred chicken talk falls off in its volume and the interest fades out. Every breeder in the South who has the best wishes of the poultry fancy truly at heart should support the shows; even if he knows he has not the best stock, he should show. Associations cannot live without encouragement. They must have entries. The birds must be on hand for the visitors to see and the show must be supported. It is but a little for every man to turn out with a few birds, but look what this spirit did for the St. Louis show this winter.—*American Poultry Journal.*

Melvin Hills Poultry Farm, E. H. Allen, proprietor, Newington, Va., starts an ad in this issue. This farm breeds S. C. Brown Leghorns exclusively. Send for circular describing the exceptionally fine matings to be found on this farm.

—\*—

We have received the mating list of Roger V. Harp, Short St., Lexington, Ky., the popular breeder of Single Comb Buff Orpingtons and Buff Cochins Bantams. Mr. Harp says his matings this year are the best he has ever had, and he guarantees to make every transaction satisfactory.

Following is the Executive Committee of the American Buff Plymouth Rock Club for this year: John P. Poley, president, Royersford, Pa.; Wm. A. Stolts, secretary, Indianapolis, Ind.; Dr. C. W. Coolidge, Bristol, N. H.; John L. Waddell, Decatur, Ill.; C. L. Pensyl, Bloomsburg, Pa.; T. C. Fallin, of Greenville, S. C., is the Southern district vice-president.

—\*—

Geo. W. Wilkes, of Huntsville, Ala., is advertising some nice S. C. Rhode Island Reds. His charges for eggs are most reasonable. Send for his mating list for 1910.

ROSEBANK POULTRY FARM  
ROUTE 10, NASHVILLE, TENN.

— S. C. —  
RHODE ISLAND REDS

WRITE FOR  
SHOW RECORDS



EGGS  
AND  
STOCK  
FOR  
SALE

F. G. DAVIS  
NASHVILLE,  
TENN.

WINNERS WHEREVER SHOWN

1ST PULLET TENNESSEE STATE FAIR '09  
1ST PULLET MEMPHIS, TENN. FAIR '09

### EGGS FOR HATCHING AND STOCK IN SEASON

From Prize Winners. Eggs \$1.50 and \$1.00. S. C. Mottled Anconas, Rhode Island Reds, Barred Rocks, Brown Leghorns. Toulouse Goose Eggs, 30 cts. each.  
L. M. BARRETT, Morristown, Tenn.

### Your Name Will Get \$2 Eggs For 50 Cents Per Sitting

I will sell 2 sittings of full blood Single Comb Brown or White Leghorn Eggs for \$1 for the 2 sittings. Not less than 2 sittings sold. Eggs by the 100, \$5. Full blood White or Barred Plymouth Rock or Rhode Island Reds or Silver or White Wyandotte or W. Orpington or Rose Comb Brown Leghorn or Single Comb Black Minorca Eggs, \$1 per sitting; by the 100, \$7. Large Bronze or White Holland Turkey Eggs, \$3 for 10 Eggs. Large White Pekin Duck Eggs, \$1 for 10 Eggs. 100 egg Old Trusty Incubator, and 100 Chick Brooder, delivered at your R. R. station, both for \$14 east of the Rocky Mountains. This is a rare chance to get a start of extra fine stock and a good incubator. Send Post Office order on St. Louis and have your orders booked early.  
W. F. CHAMBERLAIN, (The Perfect Chick Feed Man)  
KIRKWOOD, St. Louis County, MO.



## The Hen's Cackle

THE HEN's cackle is eagerly listened for in our homes, for the cackle means a new suggestion applicable to our Southern conditions, an old idea polished up, shining bright for us of the younger generation, by "Grandma," who looks askant at "machinery" for hatching and raising chickens, and believes the old hens know more about the whole business than she does. But being not altogether blind to modern ways, she "tests out" her nests, bunches the fertile eggs, and resets hens out of a job.

All my life I have loved white fowls, but there was always something lacking about the breeds I had seen. They were not the ideal fowl for me. One day I saw a flock of White Rocks and I knew my quest was ended; that I need look no further, for before me was my ideal. Since then I have bred them exclusively, and when I lose faith in them I shall have lost faith in fowlhood!

If THE HEN fails to cackle over an article touching on White Rocks I am disappointed, for I like to see them "in print" in every issue.

Here are a few suggestions that may interest some of your readers:

Sweet potatoes, raw or boiled, and freshly-dug artichokes, which keep all winter in the ground where they grew are favorite dishes in our poultry yard.

Blood caught at butchering time—hog or beef—and meal stirred in while warm until the mass is crumbly (it takes a lot of meal), is excellent to feed those maturing pullets. If more is made of the mixture than can be fed within a few days it may be dried on wide boards, spreading out and stirring often.

Will someone give us his experience with "fireless brooders?" Give measurements and directions plain. "Box chickens" always proved to be "house chickens" with us, and therefore unpopular. Yarded properly, they might redeem themselves.

In our experience with "machinery," as Grandma says, we learned to be "incubator-wise" long before we were "brooder-wise."—LOTTIE WIENGES, Macbeth, S. C.

If it is White Wyandottes that you are looking for, write W. E. Johnson & Son, Lexington, Ky., and ask for their 1910 mating list. It is easy to find poorer birds than Johnson sells, but a mighty hard matter to find better ones. See illustration in this issue of whitest and best bird at the St. Louis show.

"Col. Rock"  
Our 1st Prize Cock,  
Louisville, Ky.,  
State Fair.



## Barred Plymouth Rocks

Buy eggs from prize-winning strains. Send for our mating list. Select your eggs from pens headed by our premium birds. Our grand record of 38 premiums, 16 specials and 2 silver cups, won during 1908-09 at Louisville, Ky., Frankfort and Owensboro, proves the superiority of our fine, big Barred Plymouth Rocks.

Eggs, \$2.00 Per Fifteen

Get our catalogue and mating list—get others. See the difference. Start with our stock and be satisfied. Our nineteen years of successful line breeding has developed a prize-winning strain that breeds true, straight, narrow, snappy barring. Write for our big catalogue, and complete list of winnings. It tells just what you ought to know about Barred Plymouth Rocks. Write for catalogue No. 7. We will answer promptly.

POPE & POPE

ESTABLISHED  
1891

Louisville, Ky.

# S. C. BUFF ORPINGTONS

## BEST IN AMERICA

Certified best ever seen by three licensed expert poultry judges and a world breeder of Orpingtons. Two Loving Cups for best cock and best hen and pen. Special badge for Kate, best hen in show, three thousand birds competing, Atlanta, Ga., 1910. One pen Crystal Palace winners of the Blue, London, England. Foundation stock a specialty. Eggs for sale.

Mrs. S. C. Bridgewater, Breeder, Importer and Exporter Dixon Springs, Tenn.

The 1910 mating list of Sanford McFerrin has been received. For Barred and White Plymouth Rocks of the kind that never fail to produce winners, you are advised to write McFerrin. He also handles day-old chicks and Scotch Collie dogs.

The Weakley Pet Stock and Poultry Association was organized at Greenfield, Tenn., on Feb. 19. W. J. Kimmery, president; W. A. Caudle, vice-president; P. B. Nowlin, secretary-treasurer.

**\$7.55** Buys the Best  
140-Egg  
**Incubator**



Ever Made

**\$4.50 Buys the Best Brooder**  
Both Incubator and Brooder, ordered together, cost but \$11.50. Freight Prepaid. The Belle City Incubator has double walls and dead air space all over, copper tank, hot-water heat, self-regulator, thermometer, egg tester, safety lamp, nursery, high legs, double door.

The Belle City Brooder is the only double-walled brooder made, hot-water heat, platform, metallamp. No machines at any price are better. Write for our book today, or send the price now under our guarantee and save waiting.

**Satisfaction Guaranteed**  
Belle City Incubator Co., Box 94, Racine, Wls.



### BRED FOR LAYING.

35 Best breeds poultry. See my big circular illustrated in colors, before you place that order for stock or eggs. Prices reasonable. It will please you. It's free. 2c. stamp for mailing. John E. Heatwole, Harrisonburg, Va.

Reds! "Red Flame" strain Reds! Callahan & Son, East Point, Ga., have them in abundance and they are bred right, too. Ask for their 1910 mating list. It contains a lot of most useful information.



### Crown Bone Cutter

Hens fed cut green bone lay more eggs. Get a Crown Bone Cutter. Send to-day for catalogue. Wilson Bros., Box 816, Easton, Pa.

BEST MADE  
Lowest  
in Price

## Rose Comb Rhode Island Reds

EXCLUSIVELY

Fertile eggs that will hatch winners. My motto: Quality—Satisfaction.

N. V. Sanders, R. 8, Gaffney, S. C.

## Virginia Beauty Orpingtons, S. C. White

Kellerstrass strain. Large, strong and vigorous. Native bluegrass yards and range. Two pens only. Eggs, \$2.00 and \$4.00 per 15. Cockerels for sale.

V. L. SEXTON, Graham, Virginia

Member Virginia Poultry Association.  
Member American White Orpington Club.

## S. C. BUFF ORPINGTONS

Exhibition quality. Trap-nested. Bred to lay. Not a dissatisfied customer. Eggs specially selected. Pedigreed exhibition stock for sale. Satisfaction guaranteed.

TWICKENHAM POULTRY YARDS

HUNTSVILLE, ALABAMA

## BUFF WYANDOTTES

### EXCLUSIVELY

Carefully bred for eggs, vigor and the show. I raised 10 pullets from 13 eggs last spring. This year's mating will be fine. My best eggs cheap. Order now.

PURITY POULTRY FARM

A. W. GALLOWAY

R 6, CLEVELAND, TENN.

## S. C. BUFF ORPINGTONS

### TWO YARDS

EVERY BIRD A PRIZE WINNER

I won 1st hen, 1st, 2nd pen, 1st, 2nd chl., 1st, 2nd pullet and special on best pen, Memphis, on seven entries. Eggs \$2.00 for 15.

MRS. W. A. GIBBON,

Conway, Ark.

## BRED TO LAY

## S. C. White Leghorns

EGGS \$2.00 PER SETTING

D. M. JONES, Kizer, Tenn.



**Diet That Cures Consumption**

The most certain method ever adopted for the cure of the "Great White Plague" is through the diet used as per directions given below which can be taken at home and comes within the reach of the poor as well as the rich.

The *modus operandi* is to force the body to take on fat, a desideratum long felt by the medical profession but never before attained to.

During the last fifteen years I have prescribed this diet in hundreds of instances and where directions have been followed strictly it has raised the weight and increased the strength and vitality of the patient rapidly up to a normal condition, thus enabling nature to assert her sovereign right to be the dominating force in the body and the germs causing consumption have been overcome and the cure accomplished. Some have gained a pound a day and would gradually take on less until they would not increase in weight more.

The all important thing is to drink large quantities of milk strippings (the very last of the milking, which is all cream when a proper cow is selected.) This seems so simple and easy that many have refused to follow directions and demand medicines to cure them; but there has not yet been discovered any medicine that is a specific for consumption.

To get best results a healthy cow should be selected, one that does not cough and one that gives *very rich milk*. A Jersey cow is preferable. The milk should always be tested, to be sure that there is a large per cent, of cream in it.

The last quart should be milked into a separate dish which rests in a larger vessel containing warm water just sufficient to prevent the strippings from cooling below blood heat. The cow should be thoroughly cleaned to prevent any dirt getting into the milk so the patient can blow back the froth and drink at once without straining as this cools it too much.

Begin by drinking nearly a pint in the morning and the same at night and increase the quantity gradually so that in 10 or 15 days a full quart will be taken twice a day. It should be taken immediately after milking before it has time

to cool any. All should be taken that can be without too much discomfort and then rest 2 or 3 minutes and drink more and rest again, and so on until a full quart has been taken as soon as it can be conveniently. In about fifteen

minutes the patient should eat at the table such articles of food as are known to agree with the stomach. At noon eat as usual.

When the strippings are not allowed to cool below blood heat and taken immediately after it is milked a full quart will be transfused into the circulation in a remarkably short time.

I have never seen a case but could take the strippings without any discomfort worth mentioning when above directions were followed strictly, although some have declared they could not before trying it, but when they delayed taking for half an hour and the milk had cooled ten degrees I have seen half a pint make them very sick. The great secret of success with it is in taking it immediately after milking and not allowing it to cool below blood heat, taking a full quart morning and evening and having milk that is *very rich*.

I have found the same diet when above directions were carried out carefully, equally successful in increasing the weight and strength of those run down and debilitated from other causes. —J. M. KENDALL, M. D., Geneva, Ill.

The Western Maryland Poultry Association, Frostburg, Md., will hold their next show December 13-17, 1910. I. L. Rittie, sec.; Chas. T. Cornman, judge.

# Amatite

## ROOFING

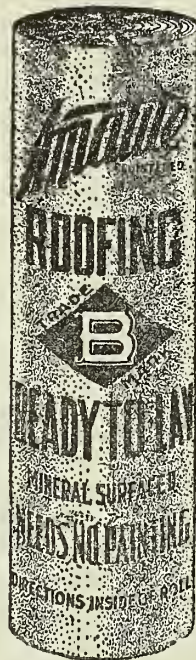
### Needs No Painting

**M**OST ready roofings require special painting and coating, and unless this is done regularly, you are sure to have leaks and trouble right along.

If you use Amatite, nothing of the sort is required. You will have real roof protection *without painting* of any kind.

Amatite is made to stay waterproof and give protection year after year, without any thought or care on your part.

*First*—Because it is waterproofed with Coal Tar Pitch.



*Second*—Because it has a real mineral surface.

Amatite, owing to these features, is the most economical roofing made. Its first cost is low, and you are *saved* all future expense for repairs or paint because it will need neither.

If you haven't seen Amatite, write for a sample to-day. From it you will very quickly understand why it doesn't require painting; why it does not leak; and why it saves you money.

Address nearest office to-day.

## BARRETT MANUFACTURING CO.

New York Chicago Philadelphia Boston Cleveland St. Louis  
Cincinnati Minneapolis Allegheny New Orleans Kansas City London, Eng.

## MATHEWS' MATCHLESS STRAIN OF S. C. WHITE LEGHORNS

THE KIND THAT WIN AND LAY AND PAY THEIR WAY

We won at Bristol, December, 1908, 1st cockerel, 2nd pullet and 2nd pen. At Jonesville, Va., Sept. 1909, first premium for the best pair; at Asheville, N. C. in December, 1909, we won 1st and 3rd cockerel; 2nd, 3rd and 4th pullet, 2nd hen and 1st pen, on six birds, each bird winning a ribbon, and five of them together winning first pen. Eggs from these prize winners \$2.00 per 15.

**W. S. MATHEWS,**

**BIG STONE GAP, VA.**

## BARRED MINORCAS WHITE MINORCAS BUTTERCUPS S. C. RHODE ISLAND REDS

This is a great quartet. I have sold out all other breeds, to devote time and space to above kinds. I am getting more eggs than I can use, therefore have decided to offer eggs for balance of this season as follows:

Barred Minorca Eggs, from 6 pens, assorted .....	\$3.00 for 15.
White Minorca Eggs, from 1 pen, first prize Crystal Palace winners .....	3.00 for 15.
Buttercups, 4 pens, assorted .....	2.00 for 15.
Single Comb Rhode Island Reds, 5 pens assorted .....	2.00 for 15.

The Barred Minorca is a great fowl and sure to win favor. The Buttercups are little wonders. My Reds are as good as the best.

**C. S. TAIT,**

**Brunswick, Georgia**



### American Poultry Culture

Many books have been published dealing with the subject of poultry culture, not all of which have been found to fill the proverbial "long-felt want." A really practical and useful book for the information and guidance of poultrymen, especially beginners, has just been published under the title, "American Poultry Culture." R. B. Sando, widely known as a practical expert in all matters pertaining to this subject, is the author. The book contains 265 pages and is handsomely bound and fully illustrated. It covers a wide field, and being written primarily to give instruction to those in need of advice on any question likely to arise in practical, every day work, all mere useless technicalities and polished-up theories have been omitted. A. C. McClurg & Company, Chicago, Ill., publish Mr. Sando's book. It sells for \$1.50, and, to say the least, it is well worth the money.

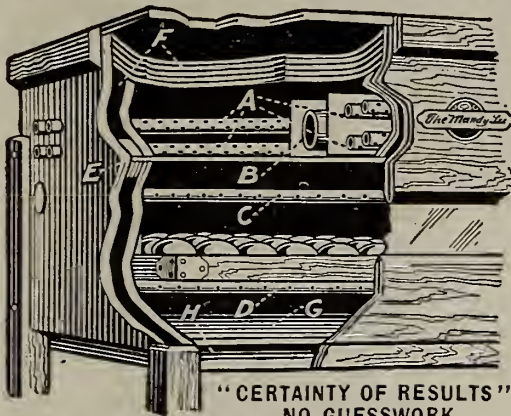
### Black Minorcas Bred Right

J. C. Vaughan & Co., of Lebanon, Tenn., Single Comb Black Minorca specialists, won at Knoxville, 1st cock, 1st cockerel, 1st, 2nd and 3rd hen, 2nd pullet, 1st pen and 6 specials. They made equally nice winnings at Memphis, Nashville, Tullahoma and Lebanon. This company is strictly reliable and never fail to please all customers. See their advertisement in this issue and write for their mating list.

This. E. McLean & Son, 987 Luttrell St., Knoxville, Tenn., the "Southern" specialty breeders of S. C. Rhode Island Reds, are offering something good in eggs this season. There are no better Reds to be had than those bred by Thos. McLean. He knows exactly "what's what" when it comes to Reds. He breeds no other kind, and you may rest assured that whatever you get from him will come exactly as represented. See advertisement in this issue.

## "Hatched Every Fertile Egg"

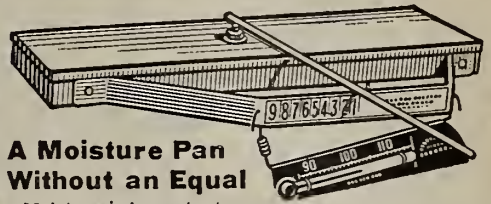
Peter Westberry, Jesup, Ga.; H. E. Matteson, East Moline, Ill.; Fred. V. Perez, Tampa, Fla.; and many others.



"CERTAINTY OF RESULTS"  
NO GUESSWORK.

- A—Perforated tubes, heating chamber.
- B—Inlet Pipe from heater.
- C—Upper ventilation, egg-chamber.
- D—Lower ventilation, egg-chamber.
- E—Air-tight diaphragm.
- F—Packing in walls and top.
- G—Chick-nursery bottom.
- H—Duck-nursery bottom.

### LEE'S LATEST SUCCESS



#### A Moisture Pan Without an Equal

Moisture is important. Some incubator makers may ignore it for reasons best known to themselves. Geo. H. Lee got into the incubator business because he was a poultry raiser. An actual poultry raiser cannot ignore things at will. If a condition exists, it exists—that's all there is to it. The next best thing is to meet it. Lee did it, and now equips the

## MANDY LEE INCUBATOR

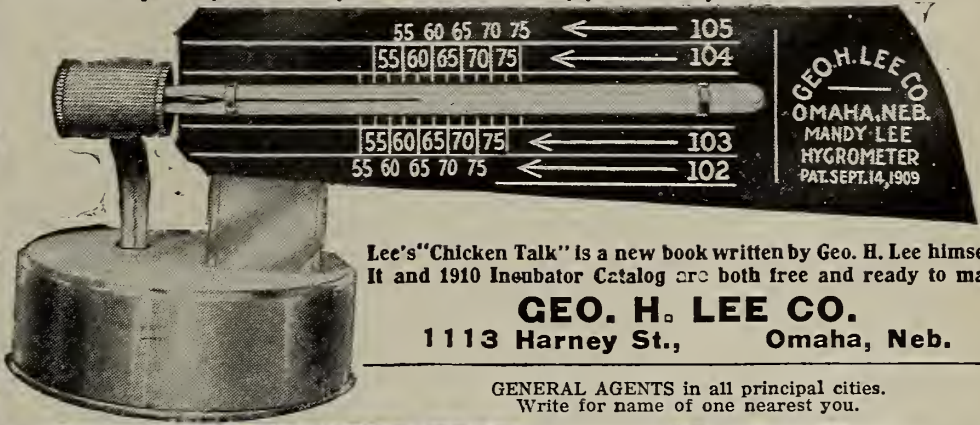
with a moisture system that is unsurpassed. Style shown above is used in 100 and 140-egg sizes. Thermometer hangs from front arms. Center of the bulb is level with the top of the egg, and is easily adjusted by the coiled wire support. The pan itself slides into position on especially provided cleats at top of egg-chamber and occupies a position half-way to back wall. In the large incubators the pan occupies a position on the partition between trays, and thermometer hangs from screw-eyes in diaphragm. It can be opened or closed by rod extending to front of inside door. The wider the opening of the lid the more the moisture exposure will be. Frequent adjustment unnecessary. Correct ventilation is attained automatically.

## THE MANDY LEE HYGROMETER

### Greatest Invention Since the Incubator Itself

Experienced incubator operators recognize the importance of moisture properly applied and maintained during the period of the hatch. Some incubator manufacturers give instructions at random without considering climatic differences and with no scientific knowledge of the problems that confront the incubator operator.

The general impression has been that little if any supplied moisture is needed at the beginning of the hatch, but that much is necessary during the last few days of incubation. Mr. Lee's experiments prove that quite the opposite is true. His experiments covered a period of more than ten years and he learned how necessary it was to have a practical, accurate and permanent instrument to measure moisture. He made extensive experiments with many failures and disappointments but finally succeeded in perfecting the MANDY LEE HYGROMETER. But he was sure of its value before offering to his trade and it can be depended upon to materially add to each hatch and will pay for itself many times over each season.



Lee's "Chicken Talk" is a new book written by Geo. H. Lee himself. It and 1910 Incubator Catalog are both free and ready to mail.

**GEO. H. LEE CO.**

1113 Harney St., Omaha, Neb.

GENERAL AGENTS in all principal cities.  
Write for name of one nearest you.

S. E. Truan, R. 1, Fountain City, Tenn., says that he is well pleased with his ad in THE INDUSTRIOUS HEN, and that he is getting inquiries continually from all over the country. Mr. Truan breeds S. C. White Leghorns and Partridge Wyandottes that stand the test, and we have never heard any complaints from his patrons regarding their dealings with him in any particular.

For vigorous, farm-raised Columbian, Golden, and White Wyandottes; R. C. and S. C. Rhode Island Reds, and S.

C. Buff Orpingtons, Dillon & Bell, 4103 Colerain Ave., Cincinnati, O., have birds that have proven their superiority in the show ring at all the big shows, where winnings count. They have both stock and eggs for sale. Elsewhere in this issue you will find some of their most important winnings mentioned in connection with their advertisement.

The fifth annual Arkansas State Fair will be held at Hot Springs, October 10-15, 1910. Geo. R. Belding, Secretary, Hot Springs, Ark.

**SOMETHING TO CROW ABOUT**

**"HEN-E-TA"**

ABOUT 30% PURE BONE ASH  
NO OTHER BONE NEEDED | NO OTHER GRIT NEEDED

NO MORE BONE CUTTERS NEEDED  
NO MORE BEEF-SCRAPS NEEDED  
NO MORE CHARCOAL NEEDED  
NO MORE OYSTER-SHELLS NEEDED

100 LB. BAG \$2.25 150 LB. BAG \$1.50

ASK YOUR DEALER OR WRITE

**HEN-E-TA BONE CO.**  
NEWARK, N.J. DEPT. 8 FLEMINGTON, W.VA.



## FOR SALE S. C. BROWN LEGHORNS

Still have a few nice breeders to offer you. I will sell EGGS AT

HALF PRICE this season. \$2 and \$3 per setting of 15 eggs. Some other yards mated for layers, \$1 per setting or \$6 per 100 eggs. Circular free.

**M. S. COPELAND**  
Powell's Station, Tenn.

## NOTICE

My offer of prizes for subscriptions as advertised in Jan. INDUSTRIOUS HEN is hereby withdrawn as I find it is impossible for me to publish paper as I had intended. I always want to deal honestly, so I am taking this method of making known the change in my plans.

**MARION S. PRYOR**  
SALISBURY, MD.

## KILMAN'S Ideal S. C. Rhode Island Reds THEY WIN THE BLUE

My Reds have won FIRST this season at Memphis, Tenn., Corinth, Miss., Huntsville, Ala. and Little Rock, Ark.

Eggs \$1.50 and \$3.00 per 15.

Send for mating list and folder.

**W. F. KILMAN**  
BALD KNOB, ARKANSAS





## A HEN IS HUMAN

in that she does not work well unless she is well. A quart of lice would run your poultry yard. A quart of Lee's Lice Killer would help you to run it yourself, and run it right. No use trying to dodge the issue; your poultry cannot produce or be what they ought to be with lice on their bodies, in the nests, or in the roosting places. Lice incapacitate, annoy, destroy.

Who loses? *You do.* Geo. H. Lee lost, too, from this same cause, until 1895, when he invented Lee's Lice Killer. Its enormous sales prove its value—more of Lee's sold than any other two insect destroyers on the market. Lee's is the original liquid lice killer—the only one prepared exclusively for use as an insecticide.

## Lee's Lice Killer

is a distillate of coal tar and sulphur products, and kills lice, mites, etc., both by contact and vapor. Paint the roosts and spray the walls. No handling, dusting, dipping or greasing. Kills not only lice but all vermin wherever found.

Price: quart, 35c; ½ gal., 60c; gal., \$1.00; gallon express prepaid, \$1.25.

Send card to-day for Lee's "Chicken Talk" by Geo. H. Lee himself.

Geo. H. Lee Co., 1113 Harney St., Omaha, Neb.

GENERAL AGENTS: BOSTON, Mass., Fiske Seed Co.—PHILADELPHIA, Pa., J. F. LeBrou, 6 North 13th St.—TAMPA, FLA., Crenshaw Bros. Seed Co.—SALT LAKE CITY, UTAH, Porter-Walton Co.—NEW YORK CITY, Excelsior Poultry and Kennel Supply Co., 28 Vesey St.—NEW WESTMINSTER, BRITISH COLUMBIA, The Brackman-Ker Milling Co.

## S. C. Black Minorcas

Stock for Sale. Circular Free.

Fred E. Carter, Knoxville, Tenn.

State Vice-Pres. A. B. Minorca Club

## PRIZE WINNERS

White Plymouth Rocks. My birds have taken premiums at all Southern Shows. \$1.50 per setting of 15 eggs.

G. W. BUNCH, Floral Hill, Ga.



### MOFFITT'S

Perfection Ideal Aluminum Leg Band—12 for 12c; 25 for 20c; 50 for 40c; 100 for 65c. State variety bands are for. Send two cents for sample. For Poultry and Pigeons.

J. MOFFITT, Southbridge, Mass.

## EVANS' SINGLE COMB WHITE LEGHORN

Eggs \$2.00 for 15.

L. C. EVANS  
LITHONIA, GEORGIA

### Dog Fancier's Association

The Tennessee Dog Fanciers' Association was organized at Nashville February 26, with the following officers: R. B. Herzer, president; Alf Merritt, vice-president; John A. Murkin, secretary-treasurer. The association starts out with a membership of over fifty. There will be a big dog show at Nashville in April and the membership of the Association will doubtless increase rapidly. The dues are \$1.00 per annum.

### Inoculate Your Fowls

Every poultryman should write the Hancock Inoculum Co., Box A, Salem, Va., for information concerning their famous remedy, "Oculum"—the latest scientific treatment for fowls. It is said to be a perfect germ destroyer and to be a sure preventive of nearly all the common diseases of poultry.

### Mathews' Prize Winners

W. S. Mathews, the "old reliable" breeder of S. C. White Leghorns, of Big Stone Gap, Va., is with us again this issue. Mr. Mathews' birds are of exceptionally fine quality and always carry away the blue. He won 1st cockerel, 2nd hen, 2nd and 3rd pullet, and 1st pen at Asheville in competition with some of the best birds in the South. See his ad elsewhere.

The South Dakota State College has arranged to furnish correspondence courses for home study in agriculture, domestic science and nature study. A comprehensive course in poultry culture is also to be taught by correspondence, and anyone interested may obtain full particulars by addressing A. A. Brigham, Principal, Brookings, S. D.

### Southern Fairs and Exposition Dates

Louisville, Ky., Sept. 12 to 17.  
Nashville, Tenn., Sept. 19 to 24.  
Memphis, Tenn., Sept. 27 to Oct. 4.  
Birmingham, Ala., Oct. 6 to 15.  
Appalachian Exposition, Knoxville, Tenn., Sept. 12 to Oct. 12.  
Appalachian Live Stock Show, Knoxville, Tenn., Sept. 12 to 17.  
Appalachian Bench Show, Knoxville, Tenn., Sept. 20 to 24.  
Appalachian Pigeon and Pet Stock Show, Knoxville, Tenn., Sept. 27 to Oct. 1.  
Appalachian Poultry Show, Knoxville, Tenn., Oct. 5 to 12.

The fourth annual show of the Evans City Poultry and Pet Stock Association will be held at Evans City Pa., January 10-14, 1911. J. F. McFarland, secretary.

## CAPON TOOLS



CAPONS bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use

### PILLING CAPONIZING SETS

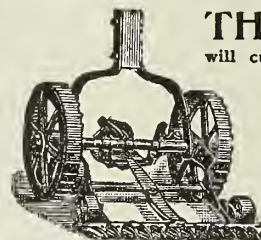
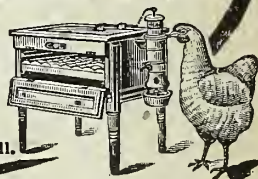
Postpaid \$2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make Poultry Marker 25c. Gape Worm Extractor 25c. French Killing Knife 50c. Capon Book Free. G. P. Pilling & Son Philadelphia, Pa.

### Hatch Chickens By Steam

The most satisfactory incubators on the market are the Wooden Hen and Excelsior. They not only solve every problem of heat, moisture and ventilation, but hatch a chick from every fertile egg. The simplicity of construction and economical operation of the

### Excelsior Incubator or WOODEN HEN

make them the most popular incubators—run themselves. Send for free catalogue on growing Incubator Chicks, fourteen colored views. GEO. H. STAHL Box 30-V Quincy, Ill.



### THE CLIPPER

will cut tall grass, short grass and weeds, and do all the trimming along the fences, walks and drives.

If your dealers do not keep them, let us know, and we will send circulars and prices.

Clipper Lawn Mower Co., Dixon Ill.

### S. C. R. I. Reds and Brown Leghorns

From prize winning stock and year-around layers. Eggs, \$2.00 per setting; two settings \$3.50; \$6.00 for 100 eggs, Reds only. Cockerels, \$1.50. Order from this ad.

J. W. BOWERS, R. I, Englewood, Tenn.

JAS. CARMICHAEL, Prop.

### HAWKINS COUNTY POULTRY FARM ROGERSVILLE, TENN.

Breeder of fancy and utility poultry. S. C. Reds, Hampton Strain, eggs \$2.00 per 15. S. C. W. Leghorns, Pierce Strain, Eggs, \$1.50 per 15. My Pens are made up of the best stock that can be obtained in the South. Satisfaction guaranteed or money refunded.

### Greider's Poultry Book

Better, Bigger than ever



Everyone interested in poultry—the man with a big poultry farm as well as the man with a few hens—should have Greider's Poultry Book. It contains 200 pages of just the kind of information you need, 30 handsome colored plates showing pure-bred stock. The book is full of practical help, gained through actual experience on the largest poultry farm in Pennsylvania. Write for it today. Price, 10 cents.

B. H. GREIDER, Box 101, Rheems, Pa.

C. L. Daniel, of Daniel Suburban Poultry Farm, Hopkinsville, Ky., is advertising some extra fine Barred Rocks in our classified columns. Mr. Daniel is the kind of a man that does not want your money unless he can please you. He breeds Barred Rocks exclusively, has studied his business and knows exactly how to mate for best results.

### Our National Game

Mr. Walter Camp writes spiritedly of base ball, as "The American National Game," in the April Century; and no man knows more about professional and college base ball in the making, or has higher authority to back his statements. E. W. Kemble has made humorous character pictures for the article.



## DILLON &amp; BELL WINNINGS

## CHICAGO Great MID-WEST SHOW

DEC. 1909

## GOLDEN WYANDOTTES

1st ckl; 3d, 4th ck; 3d, 5th hen; 2d pen. Three Silver Cups (Cups won for largest display); 1st ckl and best colored male. Cash special for 4 best cocks, 4 best hens and other specials.

## COLUMBIAN WYANDOTTES

2d hen and shape special.

## CINCINNATI SHOW, Dec. 1909

R. C. REDS—1st hen and color special. White Wyandottes—1st ckl, 2d hen, 3d and 4th pul, 2d pen. Columbian Wyandottes—1st ck, 1st and 2d hen, 3d pul. S. C. Reds—3d ck, 3d hen. S. C. Buff Orpingtons—2d hen, 3d pul, 2d pen.

## BOSTON, MASS., 1910 SHOW

Golden Wyandottes—4th ckl.

## YOUNGSTOWN, OHIO, 1910 SHOW

State Branch A. P. A. Show

White Wyandottes—2d ck, 5th hen, 5th pul. and Silver Cup on cock. Golden Wyandottes—All Firsts and all Club Specials. Columbian Wyandottes—1st ck, 4th pul, 5th ckl. S. C. Buff Orpingtons—1st ck, 1st and 2d hen, 3d and 5th pul. S. C. Reds—3d ck, 4th hen. R. C. Reds—4th hen. A. P. A. Medal for 1st Golden Wyandotte ckl.

## INDIANAPOLIS 1910 SHOW

Golden Wyandottes—1st, 4th ckl; 3d, 5th ck; 2d hen; 3d pul; 1st pen. 2 Club Specials and Silver Cup from Fancier's Ass'n for best display. R. C. Reds—3d ck, 4th hen. These winnings made under Judges Pierce, Kummer, Brown, Coburn, Zike, McClave, Denny, Tompkins.

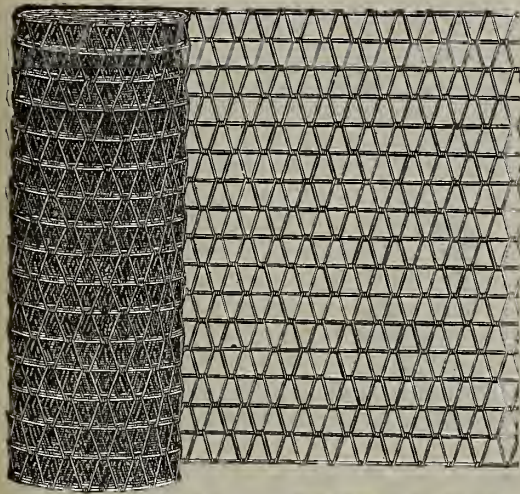
Breeders of Columbian, Golden and White Wyandottes, Rose and S. C. Reds and S. C. Buff Orpingtons. Farm raised stock for sale. Eggs \$1.50 to \$5.00 per 15. Orders booked now. List of winnings and matings free. Write your wants to

DILLON &amp; BELL

4103 Colerain Ave.

CINCINNATI, OHIO

"My stock is about all sold, and inquiries are already coming for eggs, thanks to THE INDUSTRIOUS HEN. Her cackle brings the customers. I am glad to be able to say truly that I expect to give my customers next season better values than ever before." Thus writes Mrs. W. J. Landess, proprietress of East View Poultry Yards, R. 5, Fayetteville, Tenn., where good Mammoth Bronze Turkeys and Barred Plymouth Rock chickens are kept.



## POULTRY FENCE

**33 CENTS A ROD** For a 50-inch Poultry Fence. Two No. 12 High Carbon margin wires, ten No. 16 High Carbon line wires and No. 18 mesh wires. 2-inch mesh. Line wires 4 inches apart.

**PRICE REDUCED** from 37 cents a rod and is a big bargain at 33 cents. We make this fence 36 inches high at 27c, 45-inch, 30c, 54-inch, 36c, 59-inch, 39c, 63-inch, 42c, a rod. At these prices it is cheaper than the flimsy hex netting and will last for years. This is a very strong fence and posts may be set from 16 to 20 feet apart. Does not require baseboard or top-rail. Is easily stretched.

**POULTRY GATE \$2.30** 3½ feet wide, 48 inches high, covered with heavy poultry fence. Price includes malleable latch and hinges. Others will ask you \$3.00 for a gate not as good.

**FREE CATALOGUE.** Get our large Free CATALOG, which prices 63 heights and styles of Poultry, Farm and Yard Fence. The bargains we are offering will please and surprise you.

**KITSELMAN BROTHERS,**  
BOX 253 MUNCIE, INDIANA.

## FARM FENCE

**15 3/4 cts. a rod** For a 26-inch high Hog-tight Fence. Made of heavy wire, strong and durable. Sold direct to the farmer on 30 DAYS FREE TRIAL. Special Barb wire, 80-rod spool \$1.55. Catalog free. INTERLOCKING FENCE CO., BOX 36 MORTON, ILLINOIS.

Blue Grass Poultry Yards, Wm. K. Lewis, proprietor, Dry Ridge, Ky., are exclusive breeders of Buff Wyandottes that never fail to get a place wherever shown. The first prize cock at Cincinnati and Knoxville heads one of their breeding pens, and they have other stock of equal merit. Send for their 1910 mating list.

The 1910 mating list of C. T. Fallin, the popular Buff Rock breeder of Greenville, S. C., is before us. Mr. Fallin has won at Nashville, Charleston, Greenville, Charlotte, Augusta, Spartanburg, Asheville, Atlanta and elsewhere, and his matings this year are exceptionally fine. Write him.

H. H. Ruth, of Morrison, Ill., breeder of White Plymouth Rocks exclusively writes us that he has sold all his cockerels and pullets which were advertised in THE HEN, and in this issue he changes



Black Bantam. Undefeated winner of 16 firsts. Bred and owned by R. J. Strange, Adrian, Mich.

his ad. He has had his birds scored by leading judges, who gave them exceptionally high scores. All breeders who intend to purchase eggs or baby chicks should not fail to write him.

## EGGS FOR SALE EGGS

Exclusively pure strain S. C. White Leghorns. Prize winners. World renowned egg producers.

O. H. TINDELL, FOUNTAIN CITY, TENN.

## BUFF WYANDOTTES

Eggs for hatching from our Knoxville and Cincinnati winners—three pens of the finest birds we ever owned. Send for circular.

## BLUE GRASS POULTRY YARDS

Wm. K. Lewis, Prop., DRY RIDGE, KY.

**BROWN POULTRY FENCE**

**Does Not Cost One-Half as Much as Common Chicken Netting, Yet Will Last Five Times as Long**

**Size of Wires.** The top wires are No. 9½ gauge—same as nearly all stock fences. Intermediate and stay wires in same proportion—all double strength high carbon spring steel wire.

**One Inch Spacings.** More closely woven by far than other poultry fences, because bottom wires are only one inch apart, balance in same proportion—absolutely chick tight and rabbit proof.

**Stock Strong.** Built of material heavy and strong enough for hogs, horses and cattle. Wires cannot possibly slip, sag or bag down.

**Rust Proof.** The double galvanizing of every pound of wire in Brown Poultry Fence insures the fence against rust for many years.

**Saving in Cost.** With No. 9½ top wires, you can save at least one-half the posts, and besides you require no top railing or bottom boards. These items alone usually cost more than the fence.

**Price.** Our prices are less than common netting costs. Before buying any poultry fence, get our catalog and prices. We have 160 styles of fences to select from.

For a poultry proof fence woven close enough to confine small chicks yet strong enough for cattle, this fence cannot be equalled anywhere or at any price.

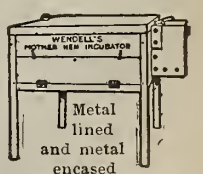
Write Today—We pay the Freight  
**The Brown Fence & Wire Co.**  
DEPT. 37 CLEVELAND, OHIO

W. R. Andrews, poultry judge, of Union City, Tenn., writes as follows: "I have been through the breeding pens of Mr. J. C. Cate, Martin, Tenn. I scored up and mated some for this season's breeding. He has some very excellent stock and they are mated to produce splendid results." Mr. Cate begins an advertisement in this issue of THE HEN.

## MOTHER HEN INCUBATOR &amp; BROODER

We are not trying to see how cheap we can make a machine. If you want a cheap machine, don't bother us, we are busy. If you want a good one send for our Book No. M4. We allow 30, 60 or 90 day's trial to prove it yourself.

**AUTOMATIC HATCHING CO.,** Holly, Mich.



## SEND FOR PHOTOS

and descriptive folder of my prize winning—egg producing strain of White Plymouth Rocks.

**Mrs. J. W. Richards,** Pope, Miss.





Put one teaspoonful of  
**Germozone**  
in Drinking Water.

### For Perfect Poultry Health

I produced Germozone as a poultry raiser, and for my own use. My poultry needed something. Nothing on the market "filled the bill." To continue to let diseases take their course meant more losses—losses no poultry raiser, large or small, could afford or endure. I experimented with more than \$100 worth of ingredients and finally produced Germozone. The neighbors knew what it was doing for me, and bought. They endorsed it then, and now. Trainloads of it have been sold on proven, undisputed merit.

### What Germozone Does

Germozone is a germicide, a bowel regulator, a system builder. It goes to the seat of the trouble and usually effects a speedy and permanent cure.

Given in the drinking water **twice-a-week** it cures disease, prevents contagion, and keeps the fowls in a healthy, vigorous condition. Prepared either in tablet or liquid form and will be sent, postpaid, on receipt of price.

Germozone is the best health insurance you can have for your poultry. Cost is small, and it is sold on an **absolute guarantee**.

Write us to-day for free copy of "Lee's Chicken Talk"—written by Mr. Lee himself.

**GEO. H. LEE COMPANY**  
1113 Harney St., Omaha, Neb.

GENERAL AGENTS: BOSTON, MASS.—Fiske Seed Co.; PHILADELPHIA, PA.—J. F. LeBrou, No. 6 N. 13th St.; TAMPA, FLA.—Crenshaw Bros. Seed Co.; SALT LAKE CITY, UTAH—Porter-Walton Co.; NEW YORK CITY—Excelsior Poultry & Kennel Supply Co., 28 Vesey St.; NEW WESTMINSTER, BRITISH COLUMBIA—The Brackman-Ker Milling Co.

## BELLE MEADE FARM

**BIRMINGHAM, ALABAMA**

Eggs for sale from Thompson's Ringlet Barred Rocks, Fishel's White Rocks, Kellerstrass White Orpingtons, Mammoth Pekin Ducks and Single Comb White Leghorns. Satisfaction Guaranteed.

## S. C. WHITE LEGHORNS

Winners of the blue at the great North Arkansas State Fair, 1909—on three entries: 1st pullet, 3rd cockerel, 3rd pen. Eggs for hatching, \$2 per 15.

**J. J. BUELL, Green Forest, Ark.**

### INCUBATOR OIL

You can increase your hatch twenty-five per cent by using in your incubators **SOLINE OIL**

No Smoke, no Odor, a perfect Oil, made from premium Pennsylvania Crude.

Orders filled from Knoxville and Chattanooga, Tenn., High Point and Greensboro, N. C., Baltimore and Cumberland, Md. Address

**TENNESSEE OIL COMPANY,**  
K. & O. Ry. Knoxville, Tenn.

### A. P. A. Nominations

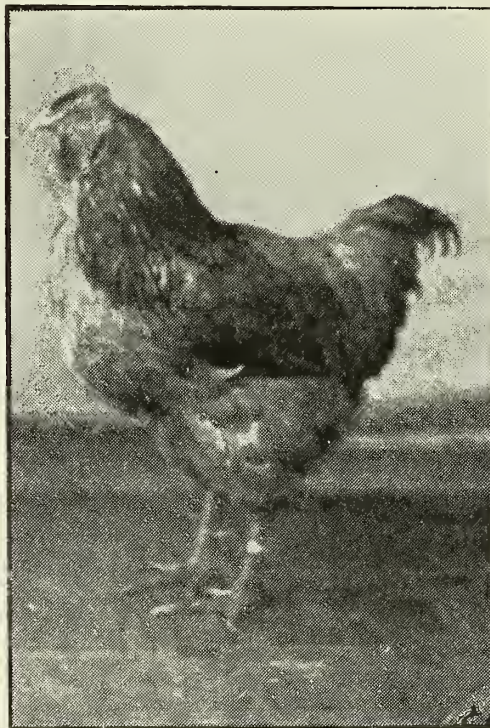
Following is the result of the balloting for nominations for the various A. P. A. officers:

**For President**—C. M. Bryant received 320 votes; H. V. Crawford, 15; Grant M. Curtis, 5; James E. Rice, 25; Henry Steinmesch, 5. **For 1st Vice-President**—L. H. Baldwin, 256; H. H. Collier, 6; H. B. Donovan, 8; C. K. Graham, 24; Henry Steinmesch, 7. **For 2nd Vice-President**—L. H. Baldwin 8; Chas. D. Cleveland, 9; C. K. Graham, 227; O. L. McCord, 15; Miller Purvis, 11. **For Secretary**—J. Y. Bicknell, 1; Geo. O. Brown, 2; S. T. Campbell, 346; Chas. H. Ring, 5; W. S. Russell, 5. **For Executive Board**—L. B. Audigier, 9; Henry Berrar, 25; Chas. D. Cleveland, 10; Harry H. Collier, 41; H. V. Crawford, 205; Grant M. Curtis, 234; U. R. Fishel, 120; W. R. Graham, 22; Theodore Hewes, 111; Wm. Barry Owen, 8; Charles G. Pape, 10; Irving A. Sibley, 41; W. P. Smalley, 14; P. H. Sprague, 26; T. E. Quisenberry, 93.

Buffalo, for place of annual meeting, received 82 votes; Niagara Falls, 14; Port Huron, 6; St. Louis, 196; Toledo, 14.

### Tri-State Poultry Association

At a recent meeting of the Tri-State Poultry Association, Memphis, Tenn.,



Buff Wyandotte, 1st prize cock, Cincinnati, Dec., 1909; 1st Knoxville, Jan., 1910. Owned by Wm. K. Lewis, Dry Ridge, Ky.

the following officers were elected for 1910: H. C. Hoskins, president; J. T. Morgan, vice-president; C. L. Baker, secretary; W. W. Stevenson, treasurer; R. C. Stockton, C. E. Coe, Ben E. Berry, J. D. McDowell, R. B. Buchanan D. E. Macgowan, N. Hill Martin, directors. This is one of the strongest poultry organizations in the country, and its membership has been largely increased during the past year. Already preparations are being made to put on one of the biggest shows ever held in the South at the Tri-State Fair, September 27-October 4, 1910. The Southern boys are wide awake and are making some of their neighbors sit up and take notice.

## One Gallon of Oil For a Hatch

One filling of the lamp; no heat waste; no danger with the



# X-RAY

## INCUBATOR

Thermometer always in sight. Eggs need not be removed during entire hatch. Other incubators require frequent filling and consume three times as much oil as the X-Ray. We absolutely guarantee to hatch 100 chicks with one gallon of oil. The X-Ray controls the flame—burns high or low; generates just enough heat to maintain hatching temperature. Absolutely no waste. Others always use a strong flame and allow the surplus heat to escape.

### The X-Ray Heats to Hatching Temperature in 15 Minutes

Others require 6 or 7 hours. Ventilation complete. Simply raise the lid—all hatching fumes rise instantly. The only really different incubator. Enameled-steel-covered; rosewood finish. Glass doors on top; lamp in center; flame control. Write now for free book and know the greatest of all incubators. Address

**X-RAY INCUBATOR CO., 36th St., Wayne, Neb.**



## WHITEWASHING

and disinfecting with the new

**"Kant-Klog" Sprayer**

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free. Address

**Rochester Spray Pump Co., 31 East Av., Rochester, N.Y.**



## THE OLD RELIABLE FOR BIG POULTRY PROFITS.

Keep the chicks growing and hens laying by ridding them of lice and mites. Lousy fowls never pay.

**LAMBERT'S "DEATH TO LICE"**

has been the standby for 25 years. Sure, quick, safe, easy to use. Sample, 10 cents. If not at your dealer's, we'll send direct. Send 2-cent stamp for booklet "Practical Poultry Feeding."

**O. K. STOCK FOOD COMPANY, 333 Traders Building, Chicago, Ill.**

**E I Have no Thousand E**  
**C Dollar Birds, Neither C**  
**C Have I the 200 Egg C**  
**S Strain, They don't Exist. S**  
I will send you a Setting of my best and good as the rest; Buff Orpingtons, B. P. Rocks, S. C. R. I. Reds, of 15 Eggs, guaranteed to be fertile and true to name, from healthy parents. For the next forty days I will book your order to be delivered after March 1st for the sum of \$1.00. **EAT CHARLOTTE**  
**POULTRY YARDS, CHARLOTTE, N. C.**

**CHICKS DAY OLD CHICKS SHIPPED CHICKS**  
**10c EACH. ANYWHERE BY EXPRESS CHICKS**  
**CHARLOTTE. N. CAROLINA**

## WHITE LEGHORNS

I have no other kind

Pen 1, Blanchard stock only, direct from Fairview Farm—Eggs \$1.50 per 15.

Pens 2, 3 and 4, excellent matings—Eggs \$1.25 per 15.

White Fantail Pigeons for sale.

**PAUL W. BARCLIFT**

**HARTSELLE, ALABAMA**

Reference:

First National Bank.



## Cyphers Incubator Company's New Catalogue

A few extracts from this Big Annual Free Book which indicate the value of its contents.

### EXTRACT FROM CHAPTER 1.

This chapter tells in brief form about the success of two Cyphers customers—men who displayed the good judgment to select the best incubators on the world's markets (best by oft-repeated tests) and who now use it exclusively in hatching both quality and quantity.

It tells about the sale last season of 1,024 White Orpington eggs by Kellerstrass Poultry farm, Kansas City, Mo., to eighty-four customers for \$2,048 cash—straight \$2.00 per egg—and how the thirty hens that laid these eggs earned their owner a profit of \$3,600 in one season. This is quality!

And every hen in the flock, with but one exception, also three of the choice male birds mated with them, were hatched in Standard Cyphers Incubators.

### EXTRACT FROM CHAPTER 2.

Forty thousand dollars is a large sum to put into a poultry plant, but Cyphers Incubator Company has expended more than this amount in the purchase and improvement of its fifty-acre poultry farm at Elma Center, a suburb of Buffalo, At Wayland, N. Y., where the factory and home office of Cyphers Incubator Company were formerly located, the Company operated a four acre plant, but it was far too small for the work the Company wished to do in its own behalf and in behalf of its many customers.

On pages 82 to 86 of this catalogue are shown excellent photographic views of the new Cyphers Company Poultry Farm.

### EXTRACT FROM CHAPTER 4.

During the early spring of 1906 Cyphers Incubator Co. began a number of experiments

## S. C. Rhode Island Reds

(Red—Not Buff)

My pens are headed by prize winners

### WHITE WYANDOTTES

Two leaders in beauty and utility

Write for prices on eggs

GERTRUDE PARRISH, Trenton, Tenn.

## "Rose Lawn Poultry Farm" BARRED PLYMOUTH ROCKS

Hawkins Blue Strand

Stock for sale. Eggs, \$1.00 for 15, \$5.00 per 100.

L. B. HOWERY, Russellville, Tenn.

## ORPINGTONS

Buff or Black carrying the blood of

### CHAMPIONS

must please you, or may at once be returned at my expense. State your exact wants.

S. LUTTRELL, Waverly Ill., U.S.A.

## LUMLEY'S LANGSHANS

(Black and White), R. I. Reds and Leghorns, (S. C.), Pekin and Indian Runner Ducks. Atlanta and Macon Shows 1908; 13 entries, 8 1st, 4 2nd. Winchester, Tullahoma, Shelbyville and Murfreesboro Fairs, 1909, 22 1st, 12 2nd. Nashville '09, 4 1st, 2 2nd, 1 3rd and 2 4th.

### STOCK AND EGGS FOR SALE

W. E. LUMLEY, Tullahoma, Tenn.

# POULTRYMEN

Send 10c for our 1909 Catalogue. Chuck full of useful information. Describes and illustrates 35 varieties.

YOU CAN'T AFFORD TO BE WITHOUT IT.

EAST DONEGAL POULTRY YARDS, Marietta, Pa.

## QUALITY WINS

## MILES' B. P. ROCKS and S. C. RHODE ISLAND REDS

At the Great Ohio State Show, Columbus, Ohio, January, 1910

On Barred Plymouth Rocks: 1st and 2nd cock; 1st and 4th hen; 2, 3 and 5th pullet; 1st pen. On Rhode Island Reds: 1st and 2nd cock; 2nd and 3rd hen; 1st cockerel; 1st and 2nd pullet; 1st and 3rd pens. Add this to my winnings at Pittsburg, Cleveland, Indianapolis, Cincinnati and Nashville is a record never before made by any breeder. Why should they not win? I have had 11 years' experience breeding, exhibiting and judging these two breeds of fowls.

Send for my 1910 mating catalogue—it will tell you more.

Get the benefit of my experience by buying Eggs \$5.00 per 15.

## MILES POULTRY FARM

Oscar E. Miles, Owner

Mention "THE HEN"

11th Floor, Capitol Trust Bldg.,

COLUMBUS, OHIO

in feeding chicks confined in a brooder house, using the hygienic cradle-back and fresh air brooding system. Several pens of chicks were fed in the usual manner four or five times a day; others were fed in deep litter daily, and still others in alfalfa litter eight to ten inches deep, in which enough Cyphers Chick Food had been thoroughly mixed to last one to four weeks. The results were highly instructive and proved to the Company's entire satisfaction that the deep-litter method of feeding chicks is not only a great labor saver but also gives the best results.

### EXTRACT FROM CHAPTER 5.

On this and the opposite page are shown amateur photographs (not retouched) of sample quality standard-bred heavy layers as produced on Cyphers Company Poultry Farm. There is not room to spare in this catalog for a full report of the numerous feeding experiments conducted on the Company's farm. Only

a few specimens can be shown and a few results given.

Cyphers Company is not doing any special forcing on its farm to achieve sensational egg records at the expense of vigor and vitality. Every egg record here reported was secured in the course of ordinary breeding. The females shown in the pictures were in breeding pens with males throughout the hatching season. Trap-nesting was practiced and the regulation "Cyphers Company Way" of feeding was employed, except in cases where experiments were made with dry ground food fed in hoppers.

The catalogue from which these extracts were taken is free. It consists of 160 pages fully illustrated and is full of information of value to poultry keepers. Write for it today. Address nearest office. Cyphers Incubator Company, Department No. 13, Buffalo, N. Y., Boston, Mass., New York City, Chicago, Ill., Kansas City, Mo. or Oakland, Cal.

### EGGS FOR HATCHING

## S. C. RHODE ISLAND REDS

THE RED KIND

Bred for heavy winter layers and prize winners. \$2.00 per 15; \$3.50 per 30. Satisfaction guaranteed.

W. F. SIMMONS, Kerrville, Tenn.

EGGS

EGGS

## S. C. WHITE LEGHORNS

(Wyckoff Strain)

Won Springfield, Dec., 1909, 1st cockerel, 1st, 2nd, 3rd and 4th pullets and 2nd pen. Eggs, \$2.00 per 15, First Pen; \$1.00 per 15, Second Pen.

MRS. LOUIS DOWNER, Guthrie, Ky.

## Business White Wyandottes

Trap nests used. Every pen headed by a male hatched from an egg laid by a hen that laid not less than 200 eggs that year.

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Same quality

Stock for sale. Eggs in season. Circulars free.

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Blood and Nerve Tablets

Build Up the Weak, Emaciated, Convalescent and Over-worked

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Are what we breed for and get on the Twin Spring Poultry Farm. S. C. W. Leghorns, N. V. Fogg strain, as good as the best. Eggs, 15 for \$1.25; 100 for \$6.00. Indian Runner Ducks, none better. Eggs, 13 for \$1.25; 100 for \$7.00.

Six choice cockerels at \$3.00 each. Guarantee satisfaction in every respect.

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## Barred Plymouth Rocks

Either for show or to breed, at honest prices. Eggs from prize matings.

T. J. GOODLETT, Traveler's Rest, S. C.

## Only Rose Comb Rhode Island Reds

Won this year at Hagerstown, Md., 3rd and 4th pullet, 5th ckl and 1st pen. At Washington, D. C., 5th pullet, 4th ckl., 5th hen and 1st pen. Hot classes at both shows.

Eggs from best pens \$5 per 15

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## S. C. BUFF ORPINGTONS

Imported strain, rich golden buff throughout, up to weight. Mine are winter layers, and win the Blue. Eggs \$2.00 per 15. Stock a matter of correspondence.

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# INOCULATION NEW TO CHICKENDOM!

## "OCULUM"

Doubles egg yield. \$1.00 inoculates 400 fowls. Guaranteed.

HANCOCK INOCULATUM CO., Inc., Box A, SALEM, VIRGINIA

A scientific treatment. Cures and renders fowls immune forever to Cholera, White Diarrhoea and Roup. Deaths reduced 80 per cent. Successful as vaccination. Test free.

### The Man That Acts

The man that actually gets down and perfects something that will fill his own needs, and fill them perfectly, is a man as much a public man as a statesman—and more than some men that come under the latter classification.

When a man gets a bunch of money invested in poultry and then finds that roup in the adult fowls in winter and bowel complaint in chicks during the summer months are liable to make unbearable inroads in his flock he is mighty sure to do something to save himself. Geo. H. Lee had that experience one winter, followed by heavy losses of small chicks during the next summer. The ravages brought Lee's activity and that brought Germozone. And Germozone perhaps kept Lee in the chicken business. Besides he has made poultry raising safe in that a supply of Germozone on hand will keep the profit-producers

the book points out that in true galvanizing, the galvanizing compound is not merely washed on the wire like cheaply plated jewelry, but that a chemical action takes place whereby the spelter used for galvanizing becomes a very part of the wire. It is not a simple covering for the wire, but a part of the wire itself. He attributes the long life and durability of the Brown Fence to its superior galvanizing and its extra heavy up-rights.

We know every one of our readers will be interested in Mr. Brown's little book. Write to the Brown Fence & Wire Co., Cleveland, Ohio, and ask for it.

I am getting good results from the little classified ad in your paper.—V. L. SEXTON, Graham, Va.

### Good Money For Bad Eggs

After the Lee family moved from Le Claire, Iowa, to Exeter, Nebraska, a lot of aggravation was occasioned in buying eggs from local grocery stores to find that a heavy per cent of the purchase was spoiled product. This state of affairs was continuous—so much so that it was an expected event, with a perfectly good chance of realizing on the expectation.

To overcome this unpleasant condition the son bought a dozen Plymouth Rocks, then some Buff Leghorns, that the family might be provided with fresh eggs. This son's interest in poultry increased, and it led him to realize the need of something to rid his fowls of vermin, aside from the then existing method of dusting, dipping or greasing. His experimental nature, coupled with a good quality of perseverance, finally succeeded in getting a fluid that, while harmless to the fowls would kill lice, not alone by contact, but also by the vapor arising when the liquid was painted or sprayed on a wooden surface. This man was Geo. H. Lee, now of the Geo. H. Lee Co., Omaha, Nebraska. The preparation caused quick fatality to lice, and that caused the quick spreading of the news to neighbors and through the neighborhoods about Exeter, and Geo. H. Lee was in business—a permanent business—almost before he knew it. He sold it to volunteer purchasers in cans, and that it might be positively identified, he, in a crude way, labeled it "Lee's Lice Killer." The permanency of this name was brought about by a constant development in the demand for "Lee's Lice Killer," known from coast to coast. But the lice killer was the initial preparation—the one that formed the basis of the Geo. H. Lee Co.

The postoffice in Omaha, during the past few years, has handled an enormous amount of this firm's advertising matter, and this year's output carries with it the mailing of a booklet, entitled Lee's "Chicken Talk," written by Mr. Lee himself. No charge is made for a copy of it, simply a request on a postal card and it is mailed without expense to anyone interested in poultry.

### They Pay The Freight

The Belle City Incubator Co., Box 94, Racine, Wis., will send you one of their new 140-egg paragon board incubators, freight prepaid to your station, for only \$7.55. When ordered with one of their brooders, both will be sent, all charges prepaid for only \$11.50. The most expensive and safest heating system is used in the Belle City incubator. The tank is large and is made entirely of 12-ounce cold-rolled copper. The double walls and dead air space completely surround the egg chamber, top, bottom and sides. The regulator is of the best standard make, and is connected with the burner instead of a damper, as used on some other machines. The ventilating system is perfect in every way, and in fact it is absolutely impossible to get a better machine, no matter what you pay. Mr. J. V. Rohen, president of the company, has spent years of time and immense sums of money in perfecting his incubators and brooders, and the result of his labors has been the production of these really wonderful machines which are offered to the public at only a fraction of the amount charged for old-style machines. A catalogue giving detailed description of all goods offered by this firm may be had by addressing the company as above.

### The Invention of the Incubator

Much has been written on artificial incubation, and yet the story of the first incubator is always worth retelling. Claimants for this honor are as numerous as they are for most of the other great inventions that have contributed so much to home comfort and progress.

There is no doubt, however, that the first successful incubator to be put on the market is the old reliable "Excelsior," and from the start George H. Stahl has been its manufacturer. Undoubtedly to Mr. Stahl belongs the honor of designing the first simple, workable incubator, and all the Excelsior Incubators he made thirty years ago can be found doing as good work as nine-tenths of the machines on the market today.

Chance led Mr. Stahl to invent the incubator, but it was one of those chances that would have amounted to nothing had not Mr. Stahl possessed the keen foresight to recognize the working principle essential to a successful incubator.

As the story goes, the firm Mr. Stahl was working for received a shipment of wool and eggs in the same car. When the eggs were tested out it was found that they had germinated, and were long past the stage when eggs are fit for food. Mr. Stahl at once grasped the idea that the eggs had germinated because of heat supplied by the wool, and, in spite of the jeers of his fellow workmen, rigged up an incubator, took some of the eggs and hatched them. The eggs were a couple of days late in hatching, but they hatched, and that is the important fact.

Mr. Stahl at once began to manufacture incubators, and he is now one of the largest manufacturers in the country. As soon as his machines were on the market others were quick to adopt the idea of the "Excelsior." Then incubator manufacturing received an impetus which has kept on growing.

Mr. Stahl has one of the best incubator catalogs ever written, and our readers interested in poultry should send for it. A letter addressed to George H. Stahl, Quincy, Ill., requesting the catalog, will bring it without delay.

The Goshen, (Ind.) Democrat has the following to say about the poultry show held there: R. J. Stange, Adrian, Mich., breeder of Rose Comb Black Bantams, secured 1st, 3rd and 4th hen; 1st, 2nd and 4th pullet; 2nd and 3rd cockerel and 1st cock, the latter being the \$500 bird which has never been beaten in competition. It scored 96½ points. He also received the silver cup for the best display. Mr. Stange also won on 12 birds shown, 3 silver cups, an incubator, spray pump and five other specials. Regular premiums won on the 12 birds were 4 firsts, 2 seconds, 2 thirds and 2 fourths.

If you want to save money on your purchase of fence, write Kitzelman Brothers, of Muncie, Ind., for their free catalogue. They are selling fence direct to the farmer on 30 days' free trial for 14½ cents a rod up. See their ad in this issue.

"Please discontinue my S. C. White Leghorn ad. THE HEN 'does the work.' I have sold out and could have sold many times more. Will soon send you ad. for eggs."—MRS. LOUIS DOWNER, Guthrie, Ky.

**125 Egg Incubator and Brooder Both For \$10**

If ordered together we send both for \$10. Freight paid east of Rock-ies. Hot water, copper tanks, double walls, double glass doors. Free catalog describes them.

**Wisconsin Incubator Co., Box 57, Racine, Wis.**

**FREE**

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Big edition just out, but going fast. Mail your request for a copy today or you may be too late. You can't afford to be without it.

The recognized authority on the care, handling, feeding and housing of poultry, so as to insure profit. This greatly enlarged, up-to-date volume contains everything that the poultryman ought to know.

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Written by men who have studied the poultry industry, both as raisers and from a laboratory standpoint. Contains instructive articles on the Housing, Feeding and Care of Poultry, and hundreds of other interesting subjects. This instructive, dollar, ABSOLUTELY FREE.

Just send us the name of your dealer in poultry supplies and 4c in stamps to pay postage, and it's yours. Do this at once, because the edition is limited.

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THE G. E. CONKEY CO. Dept. 17  
Conkey Laboratories, Cleveland, O.

in good shape twelve months in the year. Mr. Lee has been a poultryman for a quarter of a century now, and it has been an active, interesting period. His latest is a booklet, Lee's "Chicken Talk." He wrote it himself. Don't know how he found time to do it, but he did anyway. The Geo. H. Lee Co. send enough of these through the Omaha, Nebraska, postoffice each week to supply a big army of poultry raisers. A copy goes free, and without obligation, to each person who is interested enough to send a postal card bearing name and address.

### Real Galvanizing

Undoubtedly the farmers of this country have wasted a great many thousand dollars in recent years on poor wire fence. Many of us have been unable to understand why what seems like a good fence will become utterly useless in such a short time. Our eyes have recently been opened on this question by a little booklet written by an expert on this subject, who shows how, in the rush to get rich quick, many manufacturers have neglected the fundamentals of good fence building. They have built fences with light up-rights, and have used wire that was hardly galvanized at all. Mr. Brown, the author of



## DEATH TO HAWKS

Life to Chickens and Turkeys.

Cock of the Walk



"HAWK"  
The Barn Yard  
Robber



I take Macnair's  
Chicken Powders and  
feed my Children on  
them too. Look at me  
and observe the hawk.  
Cock a doodle doo.

Died after eating  
a chick of that old  
Rooster, which had  
been fed on Macnair's  
Chicken Powders.  
Alas! Alas!

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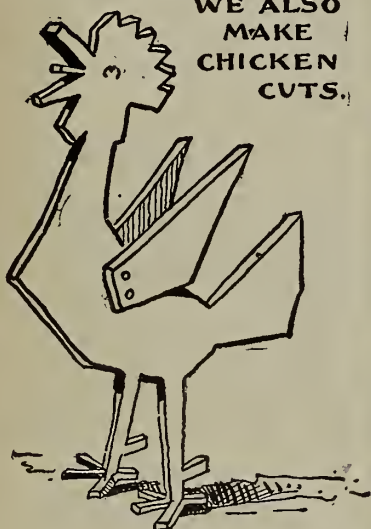
kills Hawks, cures Cholera, Gapes, Roup, Indigestion, Leg Weakness, and keeps them free from Vermin, thereby causing them to produce abundance of eggs.

Sample package 25 cents with dealer's name.

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FOGG'S S. C. WHITE LEGHORNS

are the kind that will hatch you WINNERS and HEAVY LAYERS. My matings this season contain the best birds in this country. 1910 mating list is ready now. If you want EGGS in single setting or thousand lots, it will pay you to send for it.

Cockerels and pullets in any size lots at right prices. If you are interested in "THE BEST IN S. C. WHITE LEGHORNS" send for mating list and catalog NOW. Get your order in early.

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Eggs From Winning or Exhibition Birds

Original, imported blood. None finer. Circular sent on request.

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CATO'S HALL,

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Bred for utility, also fancy points. My birds have been winners since 1904 at such shows as Aberdeen and Meridian, Miss., Nashville and Bristol, Tenn., Augusta and Atlanta, Ga., Charleston, S. C., Houston and Marshall, Texas, Birmingham, Montgomery and Mobile, Ala., also in the hands of my customers at many of the Big Southern Shows, such as Dallas and Ft. Worth, Texas, Oakland, Cal., and Portland, Ore.

Eggs, Prize Mating, \$5.00, Special Mating, \$2.00.

Some extra fancy Cockerels and Pullets for sale, also some good breeding stock.

Write for circular of winnings and matings.

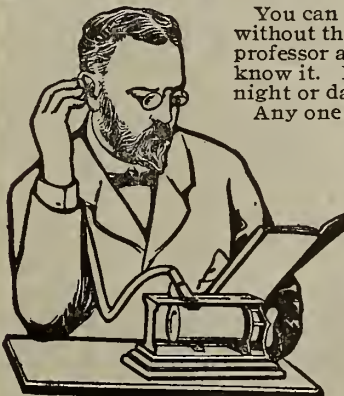
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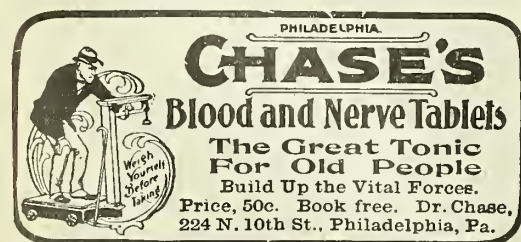
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Won at Pickens, S. C., Sept. 22-24, '09, on Rocks, 1st cockerel, Dec. 8-12, '08, on Rocks, 1st cockerel, 1st, 2nd, 3rd pullet, 1st pen; Greenwood, S. C., Oct. 26-28, '09, 1st and 2nd cockerel; Rock Hill, S. C., Dec. 2-6, '09, 3rd hen, 2nd pullet, 4th cockerel. Pickens, S. C., Sept. 22-24, '09, on Minorcas, 1st and 2nd cockerel; Greenwood, S. C., Oct. 26-28, '09, 1st, 2nd and 3rd cockerel; 1st cock at Spartanburg, S. C., Nov. 30-Dec. 2, '09, 2nd and 4th cockerel; Rock Hill, S. C., Dec. 2-6, '09, 1st cockerel, 3rd hen. They win everywhere. Eggs \$2.50 per 15—guaranteed to hatch or money refunded.

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Breeders of Barred Rocks, Black Minorcas, White Wyandottes, Brown and White Leghorns. Champion prize winners wherever shown. Stock for sale. Eggs, \$2 to \$5 per 15. Won at Alabama State Fair, silver cup for best egl., hen and pullet, White Leghorns; specials for best display Mediterranean class and for best cock, cockerel, hen, pullet and pen; 35 ribbons and 11 specials.





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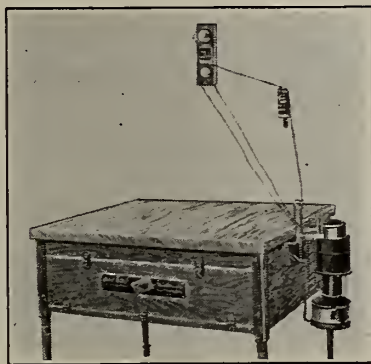
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Our alarm is the greatest labor, worry and money saving invention that has ever been offered to poultry raisers.

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We offer 50 very fine early hatched cockerels at \$3 and \$5 each. Birds that are good enough to improve any one's flock. Only a few pullets and hens to spare.

We have mated 10 yards for best results, and eggs all show strong fertility. \$2 per setting; two settings for \$3.50. Incubator lots a specialty at \$8 per hundred.

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**A FEW FINE COCKERELS FOR SALE**

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BLUE ANDALUSIANS, White Faced Black Spanish, Silver Spangled Hamburgs and Indian Runner ducks. First winners. Finest strains. Prices reasonable. Stock and eggs. H. R. Birchett, Lebanon, Tenn. 77

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RARE BARGAINS—Golden and Silver Sebright, Buff and Black Cochins, Rose Comb Black and Black-breasted Red Game Bantams. Proper & Co., Schoharie, N. Y. 74

BUFF COCHIN BANTAMS—Prize winners; stock for sale; eggs from pen headed by first-prize cock, \$1.50 per 13. W. J. Fraser, R. 2, Knoxville, Tenn. 70

WHITE COCHIN BANTAMS—Pure white little beauties. Eggs, \$2.00 per 15. W. B. Romine, Pulaski, Tenn. 71

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LIGHT BRAHMAS exclusively for 16 years. Eggs from fine thoroughbred, farm-raised Light Brahmas, \$2.00 per 15; 30, \$3.50. Pen eggs, \$3.00 per 15. Nice cockerels, \$2.25 each. Mrs. J. M. Whaley, R. 2, Sharpsburg, Ky. 73

## BUCKEYES

BUCKEYE REDS—eventually, why delay. Three firsts, St. Louis. Eugene Cowles, Shelbyville, Ky. 73

BUCKEYES. Ideal, all purpose, dark red fowl. Winter layers, hardy, beautiful. Winners Chicago, St. Louis, Kansas City, Cincinnati. Eggs, \$2.00 per sitting; 30, \$3.50; 45, \$5.00; 100, \$10.00. A. H. Weisberg, Nevada, Mo. 77

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DARK CORNISH—Imported by us direct from Cornwall, England. The best. Circular free. M. J. Van Eman, Box 1, Elgin, Ohio. 72

## DUCKS

AUSTRALIAN BUFF DUCKS—Champion Buff ducks. Something new. Imported. Eggs \$3.00 per 15. Banded Rocks. New blood. \$1.50 per 15. Pineapple Poultry Farm, Kirbyton, Ky. 71

## GAMES

PIT GAME CHICKENS—Both old and young stock cheap. Write me for prices. R. M. Caldwell, Hymer, Ala. 70

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TOULOUSE GEESE. Eggs for sale, 25 cents each. Miss Olivia Alderman, Wartrace, Tenn. 70

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HAMBURG—All six varieties bred for thirty five years; winners at the big shows and fairs. Julius Frank & Son, Akron, Ohio. 72

## HOUDANS

HOUDANS—Winners of thirty-one ribbons at Nashville, Lebanon and Knoxville this season. Stock and eggs for sale. Dr. Leiper, Lenoir City, Tenn. 71



INDUSTRIOUS HOUDANS—Anything you want in Houdans from good utility stock to cracker-jack show birds. Prices right. Try me a "whirl." Money back if not satisfied. A. A. Chiverton, Box 62, Livermore, Ky. 72

FAULTLESS HOUDANS—the fowl that have been pedigree bred for eggs for 20 years from trap nest records. They are the greatest winter layers known and lay a chalk-white turkey-sized egg. These fowls will average 250 eggs apiece a year; they never set, are easily confined by a five-foot fence and are grand table fowl. As show birds they have won every first prize in New York, Boston and Chicago for years. Send ten cents for largest illustrated Houdan catalogue ever issued. It tells you how to clear \$3,000.00 a year from 100 Houdans. E. F. McAvoy, Sec'y Houdan Club, Cambridge, N. Y. 72

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MY PURE WHITE INDIAN GAMES or White Cornish, as Club now calls them, are all purpose money makers. Satisfaction guaranteed. M. E. Kennedy (Club member), Temple, Ga. 70

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BLACK LANGSHANS exclusively. I won first pen three consecutive years at Louisville. Eggs, \$1.00 and \$2.00 per fifteen. Mrs. L. P. Foreman, Hartford, Ky. 71

BLANK LANGSHANS—Express paid in April. Send two dollars to J. R. Brown, Sweetwater, Tenn., for fifteen eggs from positively good birds. Correspondence solicited. 70

## LEGHORNS.

SINGLE COMB pure White Leghorns. Eggs for hatching from vigorous, free range stock. Write for prices. George Wells Wilson, Arkadelphia, Ark. 73

SINGLE COMB BROWN LEGHORN EGGS from trap nested stock. Great laying strain. Per setting of fifteen, \$2.00. Order Early. Beech Grove Poultry Farm, Shively, Jefferson County, Ky. 73

EGGS, EGGS, EGGS, EGGS, EGGS, EGGS. Single Comb White Leghorn eggs. Prices that will surprise you. E. A. Rogers, Box 2, Hixson, Tenn. 70

ROSE COMB White Leghorns. Winners. Lew Nelson, R. 3, Britt, Iowa. 74

S. C. BUFF LEGHORNS. Buffs that are golden buff. True to feather. Heavy layers. Prize winners. Eggs from best pens, \$2.00 per 15, \$3.50 per 30. Stock for sale. Prices reasonable. W. R. Cunningham, Lynchburg, Va. 71

SINGLE COMB BROWN LEGHORN EGGS \$1.00 per sitting, 3 sittings, \$2.00. \$4.50 hundred. Fine, healthy, vigorous, free range, 2 year old stock. Heavy layers. Plans for making the celebrated Thomas Convertible Brooder presented every customer. H. J. Thomas, Drawer 4, Alexandria, Va. 72

QUALITY AND UTILITY. Rose Comb White Leghorns. Winners at Chicago, St. Louis, Indianapolis. Great laying strain. Eggs, \$3.00 per sitting. "They lay and they win." Max Fries, "Rural," Warsaw, Ind. 71

"UP-TO-THE-MINUTE" Single Comb White Leghorns. Chicago winning strain. Lancaster and Ohio first prize winners. White lobes, perfect plumage, excellent carriage. Stock and eggs. L. G. Cary, Trimble, Ohio. 71

SINGLE COMB WHITE LEGHORNS exclusively. Large, standard bred, heavy layers, as good as the best. Eggs from selected matings, \$1.00 per 15. Stock reasonable. Edward Montgomery, Knoxville, Tenn. 71

FINEST EXHIBITION and LAYING Strain Single Comb White Leghorns on South Atlantic coast. Prices on application. Hayden Clement, Salisbury, N. C. 72

BLACK LEGHORNS with bright yellow feet and legs; laying at 4½ months old and the kind that the hawks can't see. Brown Leghorns of quality. J. T. Rhodes, Iron City, Ala. 70

S. C. WHITE LEGHORNS—Farm raised; hustling layers; headed by Fogg's strain. Eggs, \$100 per setting. B. C. Bellinger, Charleston, S. C. 72

SPECIALTY BREEDER of Wyckoffs S. C. White Leghorns; greatest laying strain; standard qualities. Eggs for hatching from choicest matings. Mrs. L. P. Strange, Guthrie, Ky. 70

EGGS FOR SALE—Whitman's White-as-snow Leghorns, 14 years line bred, none whiter, none stronger; some as good, none better. Pen No. 1, containing first prize cock at Knoxville and Bristol, with 15 of the best selected pullets out of 50 of Lawson's "Blue Ribbon" strain; this pen, \$2.50 per 15; \$10 for 100. Other good matings, \$1.50 for 15; \$8.00 per 100. Whitman's Roup Cure free with each order. D. Whitman, Spartanburg, S. C. 71

READ MELVIN HILLS POULTRY FARM'S AD in this paper. Single Comb Brown Leghorns exclusively. For eggs, can't be beat. E. H. Allen, Prop., Newington, Va. 71

R. C. B. LEGHORNS—Fine stock; product of over 20 years careful selection; pen, \$1.50 per 15; range, \$5.00 per 100. Willis Burdick, Hardy, Ark. 71

S. C. WHITE LEGHORN EGGS for hatching, which have heavy laying qualities back of them; high scoring parents; they are winter layers; write for folder. F. E. Myers, R. 2, Zanesville, Ohio. 71

ROSE COMB WHITE LEGHORNS. Elephant strain. First cockerel at Seattle; Iowa State, 2 firsts and club cup. Eggs: pen, 16 2-3c, range 10c, utility 5 cents each. Circular. Rogers Ranch, Dept. 23, Pleasanton, Ia. 71

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S. C. WHITE LEGHORNS, exclusively. Why not get beauty, size, and egg production combined? We offer eggs from such birds at low prices, quality considered. Beckham Poultry Farm, Beckham, Va. 70

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S. C. BLACK MINORCAS—with a show record. Eggs, \$3.00 for 15. 50 eggs for \$9.00. Satisfaction guaranteed. M. S. W. S. Porter, 1908 Russell St., Nashville, Tenn. 72

S. C. BLACK MINORCAS. Eggs, \$1.00, \$1.50, \$2.00 per 15 from prize winners. Satisfaction guaranteed. B. C. Routh, Randleman, N. C. 70

WISMAN'S ROSE COMB WHITE MINORCAS are better than ever. Chas. Wisman, York, Pa. 72

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LAST SPRING I bought a pen of Crystal White Orpingtons from Kellerstrass Farm and have been successful with them. This spring I can spare a few sittings of eggs at a very reasonable price, also Buff Rocks \$1.50; White Leghorns, \$1.00. Reference, Union Bank of Corinth. H. S. Green, Corinth, Miss. 71

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WILLIAMSON STRAIN Rose Comb Rhode Island Reds. Prize winners in America's leading shows. Quick growers, vigorous and heavy layers. Eggs for hatching from select exhibition matings, \$1.50 per fifteen. Williamson Farms, Mattoax, Va. 71

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IDEAL POULTRY AND STOCK FARM. We have the finest birds this season that we have ever mated, and can give you eggs from prize winning pens of Buff Orpingtons, Black Minorcas and Silver Wyandottes at \$1.50 for 15 eggs. Eggs from good matings in Silver Laced Wyandottes, White Wyandottes, Buff Orpingtons, Brown Leghorns, Black Minorcas, Rhode Island Reds, B. P. Rock, and M. Pekin Ducks at \$1.00 per 15. Guarantee a hatch of 10. Satisfaction or money back. C. E. Smith, Afton Tenn. 71

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EGGS for hatching from the famous Shenandoah Valley thoroughbred Wyandottes, Barred Rocks, Minorcas, Leghorns, Hamburgs (the great egg machines), raised in the green fields of Virginia in the vale of Shenandoah, the home of the prize winners and the world's greatest egg producers. Free circular. Shenandoah Poultry Farm, Maurertown, Virginia. 70

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**BREEDERS' CARDS—Continued.**

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**EGGS FROM WHITE WYANDOTTES (Rion Strain) and BLACK LANGSHANS Of Quality**

A hatch of 9 chix guaranteed. Write

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Eggs that will hatch, chicks that will grow and produce pullets that will lay, book your order with "Thornhill." He has, and is still breeding for the egg producer.

THORNHILL'S POULTRY FARM,

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At Hagerstown, Cincinnati, Birmingham, Atlanta, Augusta, Chattanooga, Knoxville, Sweetwater, Bristol, Charleston and Asheville.

My matings guaranteed to produce prize winners and winter layers.

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My winnings at Atlanta, January, 18-23, 1910, were: 1st cock and 1st pullet (on two entries); special for best pullet in whole show, all classes competing. At Knoxville, January, 1910: 1st cock, 2nd and 4th cockerel, 2nd and 3rd hen, 3rd and 4th pullet and 1st and 4th pen. Eggs \$1.50 to \$5.00 per setting. Some choice cockerels for sale. Write me. (Member White Rock Club).

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## FALLIN'S "DREADNAUGHT" BUFF ROCKS WIN AT THE BIG SHOWS WHERE WINNINGS COUNT

Last season we won 32 Regular and Special Premiums. This season have won 67, 15 Blue Ribbons, 14 Cups and Specials, all in BIG SHOWS where winnings count. Write for **MATING LIST** and learn all about them. If you want eggs, better order now, as eggs are already sold ahead. Only a very few birds left.

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Real buff color. No disqualification marks. The kind that lay. Nothing but the best in my pens. A limited number of eggs for hatching will be sold this season. Price \$2.50 for 13.

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**C. P. HALE,** Barred Rock Specialist  
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If you want a handsome Scotch Collie write me for prices.

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**HOLSTON STRAIN** 280 EGG STRAIN—DIRECT FROM CALCUTTA, INDIA  
One pen, six ducks, laid from Jan. 1st, 1909, to Jan. 1st, 1910, 1351 eggs, an average of over 225 eggs per duck, in one year, and are still laying. No stock for sale. Eggs \$1.00 to \$2.00 per setting; \$5.00 to \$10.00 per 100. Reference, Editor "THE HEN." Satisfaction guaranteed.

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I can mate you a pair, trio or pen that will start you right or refund your money and pay return charges. Winners at the big shows—Louisville, Lexington, Kentucky State Fair, Cincinnati, and Nashville. My latest winnings: all 1sts at Louisville and Lexington, 1910, two cups and five specials. Eggs \$2 and \$3. Eggs from range stock \$5.00 per 100. Write your wants.

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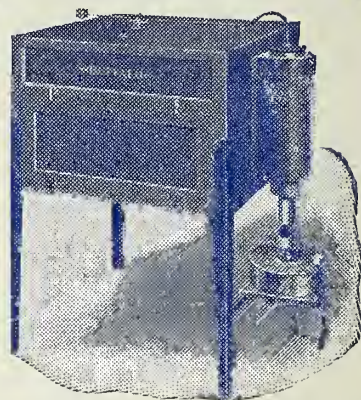
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